

## SSC JE 2023 Oct 9 Shift 3 Electrical Question Paper with Answers

Section : General Intelligence and Reasoning

Q.1 डेज़ी अपने घर से चलना प्रारंभ करती है, और 20 m पश्चिम की ओर जाती है। वहां से वह दाएं मुड़ती है, और एक निश्चित दूरी P m तक चलती है। फिर वह दाएं मुड़ती है, और 30 m चलती है। वह फिर से दाएं मुड़ती है, और 40 m चलती है। उसके बाद, वह अंतिम बार दाएं मुड़ती है, और 10 m चलती है। यदि डेज़ी की वर्तमान स्थिति उसके घर से 5 m दक्षिण में है, तो P का मान ज्ञात कीजिए।

- Ans
- 1. 40
  - 2. 45
  - 3. 35
  - 4. 15

Question ID : 264330129773

Option 1 ID : 264330508323

Option 2 ID : 264330508326

Option 3 ID : 264330508325

Option 4 ID : 264330508324

Status : Answered

Chosen Option : 1

Q.2 Select the figure from the options that can replace the question mark (?) and complete the given pattern.



Ans

✓ 1.



✗ 2.



✗ 3.



✗ 4.



Question ID : 26433074803

Option 1 ID : 264330293302

Option 2 ID : 264330293303

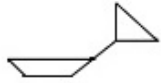
Option 3 ID : 264330293300

Option 4 ID : 264330293301

Status : Answered

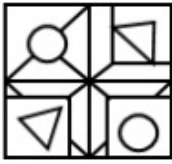
Chosen Option : 1

Q.3 उस विकल्प का चयन कीजिए जिसमें दी गई आकृति सन्निहित है (घुमाने की अनुमति नहीं है)।

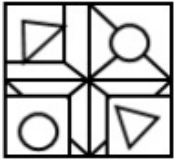


Ans

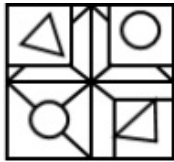
✓ 1.



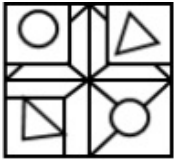
✗ 2.



✗ 3.



✗ 4.



Question ID : 264330126085

Option 1 ID : 264330494015

Option 2 ID : 264330494012

Option 3 ID : 264330494014

Option 4 ID : 264330494013

Status : Answered

Chosen Option : 1

Q.4 Select the option that represents the letters that, when sequentially placed from left to right in the blanks below, will complete the letter series.

R\_\_KU\_\_IN\_\_URI\_\_K\_\_RI\_\_U

Ans ✗ 1. INKRNUNK

✗ 2. INRKNUUK

✓ 3. INRKNUNK

✗ 4. INRKUNNK

Question ID : 26433068920

Option 1 ID : 264330270193

Option 2 ID : 264330270195

Option 3 ID : 264330270194

Option 4 ID : 264330270192

Status : Answered

Chosen Option : 3

Q.5 उस शब्द युग्म का चयन कीजिए, जिसमें दिए गए दोनों शब्द एक दूसरे से उसी तरह से संबंधित हैं, जिस तरह दिए गए युग्म के दोनों शब्द एक दूसरे से संबंधित हैं।  
(शब्दों पर सार्थक शब्द के रूप में विचार किया जाना चाहिए, और वे शब्द, शब्द में अक्षरों/व्यंजनों/स्वरों की संख्या के आधार पर एक दूसरे से संबंधित नहीं होने चाहिए।)  
भूकंप विज्ञान (Seismology) : भूकंप (Earthquake)

- Ans
- 1. रुधिरविज्ञान (Haematology) : हाइड्रोजन (Hydrogen)
  - 2. फिजियोलॉजी (Physiology) : भौतिकी (Physics)
  - 3. वर्गीकरण विज्ञान (Taxonomy) : कराधान (Taxation)
  - 4. उभयसृपविज्ञान (Herpetology) : उभयचर (Amphibians)

Question ID : 264330117395

Option 1 ID : 264330461622

Option 2 ID : 264330461624

Option 3 ID : 264330461623

Option 4 ID : 264330461621

Status : Answered

Chosen Option : 4

Q.6 उस विकल्प का चयन करें जो चौथी संख्या से उसी प्रकार संबंधित है, जिस प्रकार से पहली संख्या दूसरी संख्या से संबंधित है और पांचवीं संख्या छठी संख्या से संबंधित है।

10 : 7 :: ? : 12 :: 32 : 18

- Ans
- 1. 15
  - 2. 20
  - 3. 18
  - 4. 22

Question ID : 264330144434

Option 1 ID : 264330565991

Option 2 ID : 264330565992

Option 3 ID : 264330565993

Option 4 ID : 264330565994

Status : Not Answered

Chosen Option : --

Q.7 एक व्यक्ति अपने घर से प्रस्थान करता है, और उत्तर की ओर 10 m चलता है। फिर वह बाएं मुड़ता है, और 15 m चलता है। अब वह दाएं मुड़ता है, और 7 m चलता है, और रुक जाता है। जहां वह खड़ा है, वहां से ठीक 15 m पूर्व में एक खंभा स्थापित है। उसका घर उस खंभे से कितनी दूर और किस दिशा में है? (यह मानते हुए कि सभी मोड़ केवल 90 डिग्री वाले मोड़ हैं।)

- Ans
- 1. 7 m, उत्तर
  - 2. 17 m, दक्षिण
  - 3. 15 m, दक्षिण
  - 4. 27 m, उत्तर

Question ID : 264330129766

Option 1 ID : 264330508295

Option 2 ID : 264330508297

Option 3 ID : 264330508296

Option 4 ID : 264330508298

Status : Answered

Chosen Option : 2

Q.8 यदि A का अर्थ '+' है, B का अर्थ 'x' है, C का अर्थ '-' है, और D का अर्थ '÷' है, तो निम्नलिखित समीकरण में '?' के स्थान पर क्या आएगा?

$$89 C 8 A ( 18 B 2 ) D 4 = ?$$

Ans  1. 81

2. 90

3. 146

4. 89

Question ID : 26433067679

Option 1 ID : 264330265229

Option 2 ID : 264330265230

Option 3 ID : 264330265231

Option 4 ID : 264330265228

Status : Answered

Chosen Option : 2

Q.9 A, B की पत्नी है। F, B का पोता है। D, F का पिता है। C, A की पुत्री है। F का C से क्या संबंध है?

Ans  1. भतीजा

2. माता

3. भाई

4. मौसी

Question ID : 26433089522

Option 1 ID : 264330351590

Option 2 ID : 264330351591

Option 3 ID : 264330351592

Option 4 ID : 264330351589

Status : Answered

Chosen Option : 2

Q.10 उस शब्द युग्म का चयन कीजिए, जिसमें दिए गए दोनों शब्द एक दूसरे से उसी तरह से संबंधित हैं, जिस तरह दिए गए युग्म के दोनों शब्द एक दूसरे से संबंधित हैं।

(शब्दों को सार्थक शब्द माना जाना चाहिए, और शब्द में अक्षरों की संख्या/व्यंजनों/स्वरों की संख्या के आधार पर एक दूसरे से संबंधित नहीं होना चाहिए।)

बाधा डालना (Hamper) : धीमा करना (Retard)

Ans  1. फीका (Insidious) : नीरस (Tedious)

2. पंगु करना (Hamstrung) : प्रोत्साहित करना (Encourage)

3. पाखण्ड (Hypocrisy) : निष्कपटता (Frankness)

4. प्रसन्नचित्त (Jovial) : गंभीर (Solemn)

Question ID : 264330114739

Option 1 ID : 264330451041

Option 2 ID : 264330451043

Option 3 ID : 264330451044

Option 4 ID : 264330451042

Status : Not Answered

Chosen Option : --

Q.11 A & B का अर्थ है 'A, B की पत्नी है'।  
 A # B का अर्थ है 'A, B का पिता है'।  
 A @ B का अर्थ है 'A, B का पुत्र है'।  
 A % B का अर्थ है 'A, B का पति है'।  
 A+B का अर्थ है 'A, B की माता है'।

यदि A & B # C & D @ E % F + G, तो C का G से क्या संबंध है?

- Ans  1. भाभी  
 2. बहन  
 3. माता  
 4. दादी

Question ID : 264330144544

Option 1 ID : 264330566431

Option 2 ID : 264330566432

Option 3 ID : 264330566434

Option 4 ID : 264330566433

Status : Not Answered

Chosen Option : --

Q.12 एक निश्चित तरीके से 'OU22' का संबंध 'LF11' से है। ठीक उसी प्रकार, 'TN12' का संबंध 'GM6' से है। उसी तर्क का उपयोग करते हुए बताइए, कि निम्नलिखित में से किसका संबंध 'AP22' से है?

- Ans  1. ZL44  
 2. ZK44  
 3. YK44  
 4. ZK88

Question ID : 264330144604

Option 1 ID : 264330566671

Option 2 ID : 264330566672

Option 3 ID : 264330566673

Option 4 ID : 264330566674

Status : Not Answered

Chosen Option : --

Q.13 उस विकल्प का चयन करें, जो उन अक्षरों को निरूपित करता है, जिन्हें नीचे दिए गए रिक्त स्थानों में क्रमिक रूप से बाएं से दाएं रखे जाने पर दी गई अक्षर शृंखला पूरी हो जाएगी।

L \_ M B \_ \_ G M \_ O L \_ M B O

- Ans  1. B G L O M  
 2. G O L B G  
 3. G L O B G  
 4. M G B L B

Question ID : 26433086965

Option 1 ID : 264330341501

Option 2 ID : 264330341502

Option 3 ID : 264330341503

Option 4 ID : 264330341504

Status : Answered

Chosen Option : 2

Q.14 उस विकल्प का चयन कीजिए जो चौथे पद से उसी प्रकार संबंधित है जिस प्रकार पहला पद दूसरे पद से संबंधित है और पांचवां पद छठे पद से संबंधित है?

54 : 3 :: ? : 9 :: 432 : 6

Ans  1. 1458

2. 477

3. 1089

4. 729

Question ID : 264330144871

Option 1 ID : 264330567742

Option 2 ID : 264330567739

Option 3 ID : 264330567740

Option 4 ID : 264330567741

Status : Not Answered

Chosen Option : --

Q.15 दस व्यक्ति दो समानांतर पंक्तियों में बैठे हैं, जहां प्रत्येक पंक्ति में 5 व्यक्ति इस प्रकार बैठे हैं कि अगल-बगल बैठे व्यक्तियों के बीच की दूरी समान है।

पंक्ति 1 में - A, B, C, D और E बैठे हैं, और उन सभी का मुख दक्षिण की ओर है।

पंक्ति 2 में - P, Q, R, S और T बैठे हैं, और उन सभी का मुख उत्तर की ओर है।

इस प्रकार प्रत्येक व्यक्ति का मुख, दूसरी पंक्ति में बैठे किसी व्यक्ति की ओर है।

B, A के बाईं ओर तीसरे स्थान पर बैठा है। P का मुख, A के ठीक बगल में बैठे व्यक्ति की ओर है। Q, P के दाईं ओर तीसरे स्थान पर बैठा है। C का मुख, S की ओर है। D, T की ओर मुख करके बैठे व्यक्ति के दाईं ओर दूसरे स्थान पर बैठा है।

निम्नलिखित में से कौन किसी भी पंक्ति के किसी भी सिरे पर नहीं बैठा है?

Ans  1. Q

2. R

3. C

4. E

Question ID : 264330131651

Option 1 ID : 264330515703

Option 2 ID : 264330515705

Option 3 ID : 264330515706

Option 4 ID : 264330515704

Status : Not Answered

Chosen Option : --

Q.16 दो कथन और उसके बाद I और II क्रमांकित दो निष्कर्ष दिए गए हैं। कथनों को सत्य मानते हुए, भले ही वे सामान्यतः ज्ञात तथ्यों से भिन्न प्रतीत होते हों, निर्णय लीजिए कि कौन-से निष्कर्ष कथनों का तार्किक रूप से पालन करते हैं?

कथन:

सभी कुत्ते, बिल्लियाँ हैं।  
कुछ गाय बिल्लियाँ हैं, किंतु कुत्ते नहीं हैं।

निष्कर्ष:

- I. कुछ कुत्ते, गाय हैं।
- II. कुछ बिल्लियाँ, कुत्ते और गाय दोनों हैं।

Ans  1. न तो निष्कर्ष I और न ही II पालन करता है

2. केवल निष्कर्ष I पालन करता है

3. निष्कर्ष I और II दोनों पालन करते हैं

4. केवल निष्कर्ष II पालन करता है

Question ID : 264330144949

Option 1 ID : 264330568054

Option 2 ID : 264330568051

Option 3 ID : 264330568053

Option 4 ID : 264330568052

Status : Answered

Chosen Option : 4

Q.17 तीन कथन और उसके बाद तीन निष्कर्ष I, II और III दिए गए हैं। आपको इन कथनों को सत्य मानना है, भले ही वे सामान्यतः ज्ञात तथ्यों से भिन्न प्रतीत होते हों। तय करें कि दिए गए निष्कर्षों में से कौन से दिए गए कथनों का तार्किक रूप से पालन करते हैं?

कथन:

कुछ पहाड़ नदियां हैं।  
अधिकांश नदियां घाटियां हैं।  
सभी घाटियां पहाड़ियां हैं।

निष्कर्ष:

- (I) कुछ पहाड़ घाटियां हैं।
- (II) कुछ पहाड़ियां पहाड़ हैं।
- (III) कुछ नदियां पहाड़ियां हैं।

Ans  1. सभी निष्कर्ष I, II और III पालन करते हैं

2. या तो निष्कर्ष I या II और निष्कर्ष III पालन करता है

3. केवल निष्कर्ष I पालन करता है

4. केवल निष्कर्ष III पालन करता है

Question ID : 264330144543

Option 1 ID : 264330566430

Option 2 ID : 264330566429

Option 3 ID : 264330566427

Option 4 ID : 264330566428

Status : Answered

Chosen Option : 4



Q.18 एक निश्चित कूट भाषा में, "BRANCH" को DUCQEK और "CARBON" को EDTEQQ के रूप में कूटबद्ध किया जाता है। उसी भाषा में "DRIVEN" को किस प्रकार कूटबद्ध किया जाएगा?

- Ans  1. FUKYGQ  
 2. GUKYGQ  
 3. GUKZGR  
 4. FUJYHQ

Question ID : 264330133208  
Option 1 ID : 264330521880  
Option 2 ID : 264330521879  
Option 3 ID : 264330521881  
Option 4 ID : 264330521882  
Status : Answered  
Chosen Option : 1

Q.19 कौन-सा अक्षर-समूह दी गई शृंखला में प्रश्न चिह्न (?) के स्थान पर आकर शृंखला को पूर्ण करेगा?

TTIR, PHMJ, LVQB, ?, DXYL

- Ans  1. HJUT  
 2. GKUT  
 3. GJUT  
 4. HKUT

Question ID : 264330144621  
Option 1 ID : 264330566739  
Option 2 ID : 264330566742  
Option 3 ID : 264330566740  
Option 4 ID : 264330566741  
Status : Answered  
Chosen Option : 3

Q.20 उस विकल्प का चयन कीजिए, जो दिए गए शब्दों के उस सही क्रम में व्यवस्थापन को दर्शाता है, जिस क्रम में वे अंग्रेजी शब्दकोश में मौजूद होते हैं।

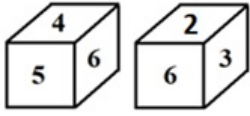
1. Object
2. Obey
3. Obligation
4. Obedience
5. Obligatory

- Ans  1. 4, 2, 3, 1, 5  
 2. 4, 2, 1, 5, 3  
 3. 4, 2, 1, 3, 5  
 4. 2, 4, 1, 3, 5

Question ID : 264330129553  
Option 1 ID : 264330507581  
Option 2 ID : 264330507580  
Option 3 ID : 264330507579  
Option 4 ID : 264330507578  
Status : Answered  
Chosen Option : 3

Q.21 एक ही पासे की दो स्थिति नीचे दी गई हैं। निम्नलिखित में से कौन-सा फलक

अंक 3 वाले फलक के विपरीत है?



Ans ✓ 1. 4

✗ 2. 1

✗ 3. 5

✗ 4. 2

Question ID : 26433069249

Option 1 ID : 264330271510

Option 2 ID : 264330271508

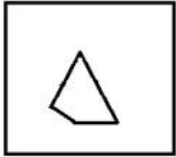
Option 3 ID : 264330271511

Option 4 ID : 264330271509

Status : Answered

Chosen Option : 1

Q.22 Select the option in which the given figure is embedded (rotation is NOT allowed).



Ans

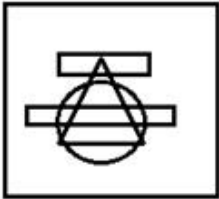
✗ 1.



✓ 2.



✗ 3.



✗ 4.



Question ID : 26433068172

Option 1 ID : 264330267200

Option 2 ID : 264330267201

Option 3 ID : 264330267203

Option 4 ID : 264330267202

Status : Answered

Chosen Option : 2

Q.23 उस सही विकल्प का चयन कीजिए, जो दिए गए शब्दों के उस सही क्रम में व्यवस्थापन को दर्शाता है, जिस क्रम में वे अंग्रेजी शब्दकोश में मौजूद होते हैं।

1. Whisker
2. Whistle
3. Wistful
4. Wither
5. Whisper
6. Wishful

Ans  1. 1, 5, 2, 6, 3, 4

2. 5, 1, 2, 3, 4, 6

3. 5, 1, 2, 6, 3, 4

4. 1, 5, 2, 3, 6, 4

Question ID : 264330129472

Option 1 ID : 264330507257

Option 2 ID : 264330507256

Option 3 ID : 264330507254

Option 4 ID : 264330507255

Status : Answered

Chosen Option : 1

Q.24 उस विकल्प का चयन कीजिए जो तीसरी संख्या से उसी प्रकार संबंधित है जिस प्रकार दूसरी संख्या पहली संख्या से संबंधित है और छठी संख्या पांचवीं संख्या से संबंधित है।

17 : 374 :: 14 : ? :: 13 : 234

Ans  1. 269

2. 299

3. 296

4. 266

Question ID : 26433078939

Option 1 ID : 264330309768

Option 2 ID : 264330309771

Option 3 ID : 264330309769

Option 4 ID : 264330309770

Status : Not Answered

Chosen Option : --

Q.25 उस विकल्प का चयन कीजिए, जो दी गई आकृति में सन्नहित है (घूर्णन की अनुमति नहीं है)।



Ans

- 1.
- 2.
- 3.
- 4.

Question ID : 26433058111  
 Option 1 ID : 264330227431  
 Option 2 ID : 264330227428  
 Option 3 ID : 264330227430  
 Option 4 ID : 264330227429

Status : Answered

Chosen Option : 2

Q.26 दर्पण को चित्र में दिखाए अनुसार MN पर रखे जाने पर दी गई आकृति के सही दर्पण प्रतिबिम्ब का चयन करें।



- Ans
- 1. KLIOTHGJRURUT
  - 2. TУЯHTOIURJGJK
  - 3. TУЯHTOIURJGJK
  - 4. KГԵЯBUOTJHBUJ

Question ID : 264330108973  
 Option 1 ID : 264330428172  
 Option 2 ID : 264330428169  
 Option 3 ID : 264330428171  
 Option 4 ID : 264330428170

Status : Answered

Chosen Option : 2

Q.27 एक निश्चित कूट भाषा में, "DILQ" को "FKNS" लिखा जाता है, और "SBGK" को "UDIM" लिखा जाता है। इसी कूट भाषा में "FORA" को किस प्रकार लिखा जाएगा?

- Ans
- 1. GPSD
  - 2. GRTD
  - 3. HQTC
  - 4. HRSC

Question ID : 264330130329

Option 1 ID : 264330510429

Option 2 ID : 264330510430

Option 3 ID : 264330510428

Option 4 ID : 264330510427

Status : Answered

Chosen Option : 3

Q.28 गणितीय चिह्नों के उचित संयोजन को चुनिए, जो बक्सों को क्रमिक रूप से प्रतिस्थापित कर सके और दिए गए समीकरण को संतुलित कर सके।

$$30 \square 13 \square 21 \square 3 \square 2 \square 4 \square 2$$

- Ans
- 1. -, +, ×, =, ÷, +
  - 2. -, +, ÷, ×, =, +
  - 3. -, ÷, =, ×, +
  - 4. +, -, ÷, ×, =, +

Question ID : 264330129584

Option 1 ID : 264330507702

Option 2 ID : 264330507705

Option 3 ID : 264330507704

Option 4 ID : 264330507703

Status : Answered

Chosen Option : 2

Q.29 Which two signs should be interchanged to make the given equation correct?

$$11 - 8 + 78 \div 6 \times 37 = 64$$

- Ans
- 1. ÷ and -
  - 2. - and ×
  - 3. × and +
  - 4. ÷ and ×

Question ID : 264330129536

Option 1 ID : 264330507510

Option 2 ID : 264330507513

Option 3 ID : 264330507512

Option 4 ID : 264330507511

Status : Answered

Chosen Option : 3

Q.30 निम्नलिखित शब्दों को तार्किक और अर्थपूर्ण क्रम में व्यवस्थित कीजिए।

1. चतुर्भुज
2. सप्तभुज
3. पंचभुज
4. षटदशभुज
5. द्वादशभुज

- Ans
- 1. 4, 2, 3, 5, 1
  - 2. 1, 3, 5, 2, 4
  - 3. 4, 5, 2, 3, 1
  - 4. 1, 5, 3, 2, 4

Question ID : 26433081458

Option 1 ID : 264330319668

Option 2 ID : 264330319667

Option 3 ID : 264330319666

Option 4 ID : 264330319665

Status : Answered

Chosen Option : 2

Q.31 Which of the following numbers will replace the question marks (?) in the given series?

20, 30, 42, 56, ?, 90

- Ans
- 1. 78
  - 2. 72
  - 3. 36
  - 4. 58

Question ID : 26433097280

Option 1 ID : 264330381817

Option 2 ID : 264330381820

Option 3 ID : 264330381819

Option 4 ID : 264330381818

Status : Answered

Chosen Option : 2

Q.32 Select the number from among the given options that can replace the question mark (?) in the following series.

1, 6, 28, 71, 139, 236, ?

- Ans
- 1. 335
  - 2. 366
  - 3. 333
  - 4. 363

Question ID : 26433079010

Option 1 ID : 264330310047

Option 2 ID : 264330310045

Option 3 ID : 264330310046

Option 4 ID : 264330310044

Status : Not Answered

Chosen Option : --

Q.33 सात मित्रों, मिशा, मिंशु, मोही, प्रिया, वीर, परी और कृषि में से प्रत्येक की लंबाई भिन्न-भिन्न है। कृषि केवल तीन व्यक्तियों से लंबी है। परी केवल वीर से लंबी है। मिशा, मिंशु से लंबी है, किंतु मोही से लंबी नहीं है। प्रिया, मोही से लंबी है।

उनमें से सबसे लंबा/लंबी कौन है?

- Ans
- 1. कृषि
  - 2. प्रिया
  - 3. मोही
  - 4. मिंशु

Question ID : 264330144635

Option 1 ID : 264330566798

Option 2 ID : 264330566796

Option 3 ID : 264330566797

Option 4 ID : 264330566795

Status : Answered

Chosen Option : 2

Q.34 उस विकल्प का चयन कीजिए, जो तीसरे शब्द से उसी प्रकार संबंधित है, जिस प्रकार दूसरा शब्द पहले शब्द से संबंधित है। (शब्दों को अर्थपूर्ण शब्दों के रूप में माना जाना चाहिए, और शब्द में अक्षरों की संख्या / व्यंजनों / स्वरों की संख्या के आधार पर एक दूसरे से संबंधित नहीं होना चाहिए।)

उकसाना (Persuade) : हतोत्साहित करना (Discourage) :: पारंगत (Profound) : ?

- Ans
- 1. ईमानदार (Sincere)
  - 2. चतुर (Clever)
  - 3. अल्पज्ञ (Superficial)
  - 4. गहन (Intense)

Question ID : 264330144565

Option 1 ID : 264330566518

Option 2 ID : 264330566517

Option 3 ID : 264330566516

Option 4 ID : 264330566515

Status : Answered

Chosen Option : 2



Q.35 उस समुच्चय का चयन कीजिए जिसमें संख्याएँ उसी प्रकार संबंधित हैं जिस प्रकार निम्नलिखित समुच्चयों की संख्याएँ एक-दूसरे से संबंधित हैं।

(नोट: संख्याओं को उसके घटक अंकों में विभाजित किए बिना, पूर्ण संख्याओं पर संक्रिया की जानी चाहिए। उदाहरण के लिए 13 - संक्रिया जैसे कि जोड़ना/घटाना/गुणा करना आदि को 13 पर किया जा सकता है। 13 को 1 और 3 में तोड़कर और फिर 1 और 3 पर गणितीय संक्रियाएँ करने की अनुमति नहीं है)

(33, 6, 54)

(22, 7, 30)

- Ans  1. (18, 3, 42)  
 2. (24, 2, 66)  
 3. (26, 8, 36)  
 4. (14, 4, 26)

Question ID : 264330144423

Option 1 ID : 264330565948

Option 2 ID : 264330565947

Option 3 ID : 264330565949

Option 4 ID : 264330565950

Status : Not Answered

Chosen Option : --

Q.36 उस विकल्प का चयन कीजिए जो उन अक्षरों को निरूपित करता है, जिन्हें जब निम्न रिक्त स्थानों में क्रमिक रूप से बाएं से दाएं रखा जाएगा, तो वे अक्षर श्रृंखला को पूरा कर देंगे।

A \_ \_ J L \_ D G \_ L A D \_ J \_ A D \_ \_ L

- Ans  1. DGAJGLGJ  
 2. DGALGLGJ  
 3. DAGJGLGL  
 4. DGALGJGJ

Question ID : 26433068917

Option 1 ID : 264330270181

Option 2 ID : 264330270182

Option 3 ID : 264330270183

Option 4 ID : 264330270180

Status : Answered

Chosen Option : 1

Q.37 उस शब्द-युग्म का चयन करें, जो नीचे दिए गए शब्द-युग्म में व्यक्त किए गए संबंध के समान संबंध को सर्वोत्तम ढंग से निरूपित करता है।  
(शब्दों को सार्थक शब्द माना जाना चाहिए, और इनका परस्पर संबंध शब्द में अक्षरों की संख्या/ व्यंजनों/स्वरों की संख्या के आधार पर नहीं होना चाहिए।)

मस्टैंग (Mustang) : घोड़ा (Horse)

- Ans  1. बर्मीज (Burmese) : बिल्ली (Cat)  
 2. पैंथेरा लियो (Panthera Leo) : शेर (Lion)  
 3. टर्की (Turkey) : फ़ाउल (Fowl)  
 4. बारहसिंहा (Stag) : हिरण (Deer)

Question ID : 264330129754

Option 1 ID : 264330508247

Option 2 ID : 264330508249

Option 3 ID : 264330508250

Option 4 ID : 264330508248

Status : Answered

Chosen Option : 3

Q.38 If '+' means '-', '-' means 'x', 'x' means '÷', '÷' means '+', then what will come in place of the question mark (?) in the following equation?  
 $41 \div 18 - 7 + 322 \times 23 = ?$

- Ans  1. 153  
 2. 144  
 3. 167  
 4. 169

Question ID : 264330126064

Option 1 ID : 264330493929

Option 2 ID : 264330493928

Option 3 ID : 264330493930

Option 4 ID : 264330493931

Status : Not Answered

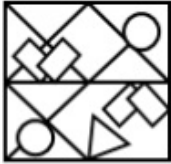
Chosen Option : --

Q.39 Select the option in which the given figure is embedded (rotation is NOT allowed).

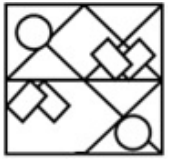


Ans

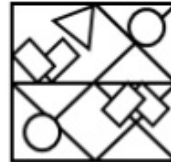
✗ 1.



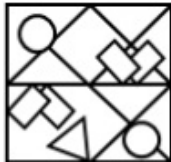
✗ 2.



✓ 3.



✗ 4.



Question ID : 264330126087

Option 1 ID : 264330494021

Option 2 ID : 264330494023

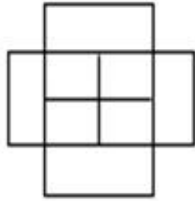
Option 3 ID : 264330494022

Option 4 ID : 264330494020

Status : Not Answered

Chosen Option : --

Q.40 Select the option that is embedded in the given figure (rotation is NOT allowed).



Ans

- ✗ 1.
- ✓ 2.
- ✗ 3.
- ✗ 4.

Question ID : 26433058113  
 Option 1 ID : 264330227439  
 Option 2 ID : 264330227437  
 Option 3 ID : 264330227438  
 Option 4 ID : 264330227436  
 Status : Not Answered  
 Chosen Option : --

Q.41 Which letter cluster will replace the question mark (?) to complete the given series?

MKXB, OOAC, QSDD, ?

- ✗ 1. SWHE
- ✗ 2. SWGF
- ✗ 3. SWHF
- ✓ 4. SWGE

Question ID : 264330144645  
 Option 1 ID : 264330566837  
 Option 2 ID : 264330566836  
 Option 3 ID : 264330566835  
 Option 4 ID : 264330566838  
 Status : Not Answered  
 Chosen Option : --

Q.42 In a certain code language, 'PETS' is coded as '48', and 'FARM' is coded as '70'. How will 'DAIRY' be coded in that language?

- Ans
- 1. 47
  - 2. 22
  - 3. 74
  - 4. 78

Question ID : 264330144594  
Option 1 ID : 264330566632  
Option 2 ID : 264330566634  
Option 3 ID : 264330566633  
Option 4 ID : 264330566631  
Status : Not Answered  
Chosen Option : --

Q.43 Select the option in which the given figure is embedded (rotation is NOT allowed).



Ans

- 1.
- 2.
- 3.
- 4.

Question ID : 264330126086  
Option 1 ID : 264330494018  
Option 2 ID : 264330494019  
Option 3 ID : 264330494017  
Option 4 ID : 264330494016  
Status : Not Answered  
Chosen Option : --

**Q.44** Six friends are sitting in a circle. All of them are facing the centre. Samir is an immediate neighbour of Kiran. Gagan is an immediate neighbour of Pran and Vyom. Suman sits second to the right of Gagan. Kiran sits second to the right of Vyom.

Who sits third to the right of Suman?

- Ans
- 1. Kiran
  - 2. Samir
  - 3. Vyom
  - 4. Pran

Question ID : 264330144639

Option 1 ID : 264330566812

Option 2 ID : 264330566811

Option 3 ID : 264330566814

Option 4 ID : 264330566813

Status : Not Answered

Chosen Option : --

**Q.45** Select the word-pair that best represents a similar relationship to the one expressed in the pair of words given below. (The words must be considered as meaningful English words and must not be related to each other based on the number of letters/numbers of consonants/vowels in the word)  
INDIA : NEW DELHI

- Ans
- 1. WEST BENGAL : KOLKATA
  - 2. RUSSIA : MOSCOW
  - 3. UP : LUCKNOW
  - 4. SIKKIM : GANGTOK

Question ID : 264330144613

Option 1 ID : 264330566709

Option 2 ID : 264330566708

Option 3 ID : 264330566707

Option 4 ID : 264330566710

Status : Not Answered

Chosen Option : --

**Q.46** Select the correct option that indicates the arrangement of the following words in a logical and meaningful order.

1. Shelf
2. Wood
3. Plank
4. Tree
5. Cupboard

- Ans
- 1. 4 2 1 5 3
  - 2. 2 4 5 1 3
  - 3. 4 2 3 1 5
  - 4. 2 4 3 5 1

Question ID : 264330131593

Option 1 ID : 264330515471

Option 2 ID : 264330515474

Option 3 ID : 264330515472

Option 4 ID : 264330515473

Status : Not Answered

Chosen Option : --

Q.47 Which of the following options will replace the question mark (?) in the given series?

$$\frac{1}{289}, \frac{1}{17}, ?, 17$$

Ans

✓ 1. 1

✗ 2.  $\frac{1}{119}$

✗ 3.  $\frac{1}{85}$

✗ 4.  $\frac{1}{34}$

Question ID : 26433091641

Option 1 ID : 264330359932

Option 2 ID : 264330359929

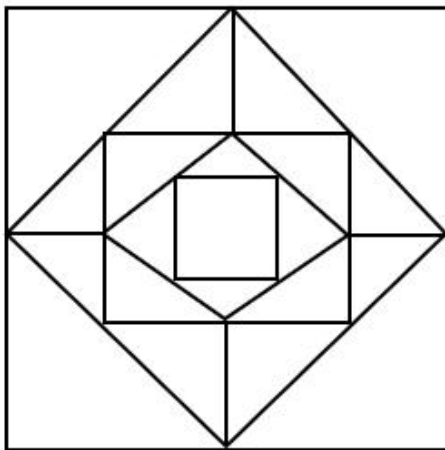
Option 3 ID : 264330359930

Option 4 ID : 264330359931

Status : Not Answered

Chosen Option : --

Q.48 How many triangles are there in the given figure?



Ans

✗ 1. 28

✗ 2. 26

✓ 3. 24

✗ 4. 30

Question ID : 26433066231

Option 1 ID : 264330259458

Option 2 ID : 264330259457

Option 3 ID : 264330259456

Option 4 ID : 264330259459

Status : Not Answered

Chosen Option : --

Q.49 In a certain code language, 'LIGHTS' is written as '93' and 'BATTER' is written as '102'. How will 'BRING' be written in that language?

- Ans  1. 90  
 2. 95  
 3. 63  
 4. 85

Question ID : 264330144557  
Option 1 ID : 264330566485  
Option 2 ID : 264330566484  
Option 3 ID : 264330566483  
Option 4 ID : 264330566486  
Status : Not Answered  
Chosen Option : --

Q.50 Select the option that is related to the third term in the same way as the second term is related to the first term and the sixth term is related to the fifth term.  
3 : 20 :: 7 : ? :: 11 : 68

- Ans  1. 37  
 2. 44  
 3. 39  
 4. 41

Question ID : 264330126045  
Option 1 ID : 264330493855  
Option 2 ID : 264330493853  
Option 3 ID : 264330493852  
Option 4 ID : 264330493854  
Status : Not Answered  
Chosen Option : --

Section : General Awareness

Q.1 बंगाल विभाजन के लिए कौन जिम्मेदार था?

- Ans  1. लॉर्ड डफरिन  
 2. लॉर्ड कर्जन  
 3. लॉर्ड लिटन  
 4. लॉर्ड वेलेस्ली

Question ID : 264330109035  
Option 1 ID : 264330428419  
Option 2 ID : 264330428417  
Option 3 ID : 264330428420  
Option 4 ID : 264330428418  
Status : Answered  
Chosen Option : 2



Q.2 परिपक्वता पर, \_\_\_\_\_ एक गैर-प्रवाहकीय कोशिका है, जो लिग्निन और उच्च सेलूलोज़ सामग्री (60%-80%) युक्त भारी मोटी दीवार वाली मृत कोशिकाओं से बनी होती है, और यह पादपों में संरचनात्मक सहायता प्रदान करने का कार्य करती है।

- Ans
- 1. मेरिस्टेमेटिक कोशिका
  - 2. स्क्लेरेन्काइमा कोशिका
  - 3. पैरेन्काइमा कोशिका
  - 4. प्रजनन कोशिका

Question ID : 264330110079  
Option 1 ID : 264330432593  
Option 2 ID : 264330432594  
Option 3 ID : 264330432595  
Option 4 ID : 264330432596  
Status : Not Answered  
Chosen Option : --

Q.3 बिशप (Bishop) का प्रयोग निम्नलिखित में से किस खेल में किया जाता है?

- Ans
- 1. बैडमिंटन
  - 2. क्रिकेट
  - 3. बिलियर्ड्स
  - 4. शतरंज

Question ID : 264330109735  
Option 1 ID : 264330431219  
Option 2 ID : 264330431218  
Option 3 ID : 264330431220  
Option 4 ID : 264330431217  
Status : Answered  
Chosen Option : 1

Q.4 'मौलिक अधिकारों' का विचार निम्नलिखित में से किस देश के संविधान से लिया गया था?

- Ans
- 1. स्विट्जरलैंड का संविधान
  - 2. आयरलैंड का संविधान
  - 3. फ्रांस का संविधान
  - 4. अमेरिका के संविधान

Question ID : 26433089947  
Option 1 ID : 264330353268  
Option 2 ID : 264330353265  
Option 3 ID : 264330353267  
Option 4 ID : 264330353266  
Status : Answered  
Chosen Option : 1

Q.5 कार्बन के उस अपररूप की पहचान कीजिए, जो चिकना तथा फिसलनयुक्त होता है।

- Ans
- 1. लेड
  - 2. ग्रेफाइट
  - 3. फुलरीन
  - 4. हीरा

Question ID : 264330134860  
Option 1 ID : 264330528375  
Option 2 ID : 264330528376  
Option 3 ID : 264330528378  
Option 4 ID : 264330528377  
Status : Answered  
Chosen Option : 3

Q.6 निम्नलिखित में से कौन सा लक्षद्वीप का पूर्व नाम नहीं है?

- Ans
- 1. मिनिर्कॉय द्वीप
  - 2. अमिनिदिवी द्वीप
  - 3. कवरत्ती द्वीप
  - 4. लक्कादीव द्वीप

Question ID : 26433071615  
Option 1 ID : 264330280886  
Option 2 ID : 264330280887  
Option 3 ID : 264330280884  
Option 4 ID : 264330280885  
Status : Answered  
Chosen Option : 2

Q.7 भारत के प्रधानमंत्री का वेतन और भत्ता \_\_\_\_\_ द्वारा निर्धारित किया जाता है।

- Ans
- 1. कैबिनेट सचिवालय
  - 2. पी एम ओ
  - 3. भारत के राष्ट्रपति
  - 4. संसद

Question ID : 264330120161  
Option 1 ID : 264330470902  
Option 2 ID : 264330470901  
Option 3 ID : 264330470900  
Option 4 ID : 264330470899  
Status : Answered  
Chosen Option : 1

Q.8 वित्त विधेयक 2023 के अनुसार, अपील के मामले में मूल्यांकन अधिकारी को सक्षम बनाने के लिए कर निर्धारण से पहले इनवेंट्री मूल्यांकन हेतु \_\_\_\_\_ की आवश्यकता के लिए एक प्रावधान जोड़ा गया है।

- Ans
- 1. सचिवीय लेखापरीक्षा
  - 2. लागत लेखापरीक्षा
  - 3. विधिक लेखा परीक्षा
  - 4. सांविधिक लेखा परीक्षा

Question ID : 264330156939  
Option 1 ID : 264330615131  
Option 2 ID : 264330615132  
Option 3 ID : 264330615133  
Option 4 ID : 264330615134  
Status : Answered  
Chosen Option : 3

Q.9 पृथ्वी का निर्माण करने वाली सामग्री को किस रूप में वर्गीकृत किया गया है?

- Ans
- 1. क्षेत्रों में
  - 2. भागों में
  - 3. समूहों में
  - 4. परतों में

Question ID : 264330113355  
Option 1 ID : 264330445508  
Option 2 ID : 264330445505  
Option 3 ID : 264330445507  
Option 4 ID : 264330445506  
Status : Answered  
Chosen Option : 4

Q.10 जल का ठोस रूप आप कहाँ पा सकते हैं?

- Ans
- 1. ध्रुवीय क्षेत्र में
  - 2. रेगिस्तान में
  - 3. जंगल में
  - 4. महासागरों में

Question ID : 26433064775  
Option 1 ID : 264330253693  
Option 2 ID : 264330253692  
Option 3 ID : 264330253694  
Option 4 ID : 264330253695  
Status : Answered  
Chosen Option : 4

Q.11 Which of the following is a rabi crop?

- Ans  1. Watermelon  
 2. Maize  
 3. Wheat  
 4. Groundnut

Question ID : 264330130575  
Option 1 ID : 264330511411  
Option 2 ID : 264330511412  
Option 3 ID : 264330511414  
Option 4 ID : 264330511413  
Status : Answered  
Chosen Option : 1

Q.12 किस गुप्त शासक के भितरी स्तंभ शिलालेख में पुष्यमित्रों के साथ उसकी लड़ाई का वर्णन है?

- Ans  1. चंद्रगुप्त द्वितीय  
 2. चंद्रगुप्त प्रथम  
 3. स्कन्दगुप्त  
 4. समुद्रगुप्त

Question ID : 264330112139  
Option 1 ID : 264330440643  
Option 2 ID : 264330440642  
Option 3 ID : 264330440644  
Option 4 ID : 264330440641  
Status : Not Answered  
Chosen Option : --

Q.13 प्रसिद्ध संगीतकार उस्ताद अमजद अली खान का जन्म 1945 में \_\_\_\_\_ में हुआ था।

- Ans  1. आगरा  
 2. ग्वालियर  
 3. लखनऊ  
 4. झांसी

Question ID : 26433082115  
Option 1 ID : 264330322295  
Option 2 ID : 264330322294  
Option 3 ID : 264330322296  
Option 4 ID : 264330322293  
Status : Not Answered  
Chosen Option : --

Q.14 ग्राम न्यायालय अधिनियम वर्ष \_\_\_\_\_ में पारित किया गया था।

- Ans  1. 1996  
 2. 2008  
 3. 2006  
 4. 1992

Question ID : 264330130482  
Option 1 ID : 264330511040  
Option 2 ID : 264330511041  
Option 3 ID : 264330511039  
Option 4 ID : 264330511042  
Status : Answered  
Chosen Option : 3

Q.15 भारतीय संविधान का अनुच्छेद 44 निम्नलिखित में से किससे संबंधित है?

- Ans  1. कृषि का संगठन  
 2. श्रमिकों के लिए निर्वाह मजदूरी  
 3. समान न्याय और निःशुल्क कानूनी सहायता  
 4. नागरिकों के लिए समान नागरिक संहिता

Question ID : 264330111531  
Option 1 ID : 264330438212  
Option 2 ID : 264330438210  
Option 3 ID : 264330438209  
Option 4 ID : 264330438211  
Status : Answered  
Chosen Option : 4

Q.16 अल बरूनी (Al Biruni) ने प्रसिद्ध पुस्तक "किताब उल हिंद" \_\_\_\_\_ भाषा में लिखी थी।

- Ans  1. मंगोलियन  
 2. फ़ारसी  
 3. संस्कृत  
 4. अरबी

Question ID : 26433089869  
Option 1 ID : 264330352956  
Option 2 ID : 264330352953  
Option 3 ID : 264330352954  
Option 4 ID : 264330352955  
Status : Answered  
Chosen Option : 1

Q.17 2008-09 के दौरान, भारत सरकार के किस मंत्रालय द्वारा प्रधान मंत्री रोजगार सृजन कार्यक्रम (PMEGP) शुरू किया गया था?

- Ans  1. सूक्ष्म, लघु और मझौले उद्यम मंत्रालय  
 2. गृह मंत्रालय  
 3. कृषि और किसान कल्याण मंत्रालय  
 4. कौशल विकास और उद्यमिता मंत्रालय

Question ID : 264330113303  
Option 1 ID : 264330445298  
Option 2 ID : 264330445300  
Option 3 ID : 264330445297  
Option 4 ID : 264330445299  
Status : Not Answered  
Chosen Option : --

Q.18 एनएफएचएस-4 (2015-16) पर आधारित नीति आयोग के बहुआयामी गरीबी सूचकांक (एमपीआई) के अनुसार किस राज्य की 51.91 प्रतिशत आबादी बहुआयामी रूप से गरीब है?

- Ans  1. अरुणाचल प्रदेश  
 2. मेघालय  
 3. उत्तर प्रदेश  
 4. बिहार

Question ID : 264330111354  
Option 1 ID : 264330437503  
Option 2 ID : 264330437502  
Option 3 ID : 264330437501  
Option 4 ID : 264330437504  
Status : Answered  
Chosen Option : 4

Q.19 बैगा लोक नृत्य शिक्षक अर्जुन सिंह धुर्वे ने 2021-22 में पद्म श्री पुरस्कार प्राप्त किया। बैगा मुख्य रूप से किस राज्य से संबंधित है?

- Ans  1. गुजरात  
 2. मध्य प्रदेश  
 3. महाराष्ट्र  
 4. छत्तीसगढ़

Question ID : 26433064804  
Option 1 ID : 264330253808  
Option 2 ID : 264330253809  
Option 3 ID : 264330253810  
Option 4 ID : 264330253811  
Status : Not Answered  
Chosen Option : --

Q.20 प्रसिद्ध वादक पंडित शिव कुमार शर्मा ने अपनी आत्मकथा के रूप में इनमें से किस पुस्तक को प्रकाशित किया?

- Ans
- 1. माई लाइफ माई म्यूजिक
  - 2. योर्स इन म्यूजिक
  - 3. राग माला
  - 4. जर्नी विद अ हंड्रेड स्ट्रिंग्स: माई लाइफ इन म्यूजिक

Question ID : 26433071511  
Option 1 ID : 264330280469  
Option 2 ID : 264330280468  
Option 3 ID : 264330280471  
Option 4 ID : 264330280470  
Status : Not Answered  
Chosen Option : --

Q.21 निम्नलिखित में से किस नृत्य शैली में नर्तकों/नर्तकियों के चेहरों को पेंट किए हुए मुखौटों की तरह बनाया जाता है, और पोशाक में एक लंबी स्कर्ट, एक भारी जैकेट, कई मालाएं और हार तथा एक बड़ा/ऊंचा साफा (towering headdress) होता है?

- Ans
- 1. कथकली
  - 2. कथक
  - 3. मोहिनीअट्टम
  - 4. ओडिसी

Question ID : 264330130865  
Option 1 ID : 264330512572  
Option 2 ID : 264330512571  
Option 3 ID : 264330512573  
Option 4 ID : 264330512574  
Status : Answered  
Chosen Option : 3

Q.22 भारत की 2011 की जनगणना के अनुसार, कुल जनसंख्या के कितने प्रतिशत सिख थे?

- Ans
- 1. 1.7%
  - 2. 0.4%
  - 3. 2.3%
  - 4. 0.7%

Question ID : 264330116478  
Option 1 ID : 264330458000  
Option 2 ID : 264330457999  
Option 3 ID : 264330457997  
Option 4 ID : 264330457998  
Status : Answered  
Chosen Option : 3

Q.23 यदि अंपायर को लगता है कि बल्लेबाज के पास किसी गेंद से रन बनाने का उचित मौका नहीं था, तो उस गेंद को \_\_\_\_\_ करार दिया जाएगा।

- Ans
- 1. लेग बाय
  - 2. वाइड
  - 3. नो बॉल
  - 4. बाय

Question ID : 264330119285  
Option 1 ID : 264330467428  
Option 2 ID : 264330467430  
Option 3 ID : 264330467429  
Option 4 ID : 264330467427  
Status : Answered  
Chosen Option : 2

Q.24 हील इन इंडिया भारत सरकार की एक पहल है, जिसका उद्देश्य देश में \_\_\_\_\_ को बढ़ावा देना है।

- Ans
- 1. आध्यात्मिक उपचार
  - 2. आध्यात्मिक ज्ञान
  - 3. योग
  - 4. चिकित्सा पर्यटन

Question ID : 264330158454  
Option 1 ID : 264330621177  
Option 2 ID : 264330621176  
Option 3 ID : 264330621178  
Option 4 ID : 264330621175  
Status : Answered  
Chosen Option : 4

Q.25 भारत के संविधान में 11वाँ मूल कर्तव्य \_\_\_\_\_ संवैधानिक संशोधन अधिनियम द्वारा जोड़ा गया था।

- Ans
- 1. 81वें
  - 2. 86वें
  - 3. 88वें
  - 4. 83वें

Question ID : 264330130444  
Option 1 ID : 264330510887  
Option 2 ID : 264330510889  
Option 3 ID : 264330510890  
Option 4 ID : 264330510888  
Status : Not Answered  
Chosen Option : --



Q.26 सुबणरिखा और खरकई नदियों के संगम के पास कौन-सा लोहा और इस्पात संयंत्र स्थापित किया गया था?

- Ans
- 1. भिलाई इस्पात संयंत्र
  - 2. बोकारो स्टील प्लांट
  - 3. टाटा आयरन एंड स्टील कंपनी लिमिटेड
  - 4. इंडियन आयरन एंड स्टील कंपनी लिमिटेड

Question ID : 264330113272  
Option 1 ID : 264330445173  
Option 2 ID : 264330445176  
Option 3 ID : 264330445174  
Option 4 ID : 264330445175  
Status : Not Answered  
Chosen Option : --

Q.27 ऑनलाइन चर्चा या फोरम में भाग लेने पर निम्नलिखित में से कौन-सा अच्छे नेटिकेट (netiquette) का उदाहरण है?

- Ans
- 1. सभी कैप्स का उपयोग करना
  - 2. पिछले बिंदुओं को दोहराने से बचने के लिए पोस्ट करने से पहले पूर्ण चर्चा को पढ़ना
  - 3. अप्रासंगिक या विषय से हटकर टिप्पणियाँ पोस्ट करना
  - 4. अन्य उपयोगकर्ताओं पर हमला करना

Question ID : 264330168573  
Option 1 ID : 264330661103  
Option 2 ID : 264330661106  
Option 3 ID : 264330661104  
Option 4 ID : 264330661105  
Status : Not Answered  
Chosen Option : --

Q.28 किस अधिनियम ने लंबे समय तक नियंत्रण बोर्ड (Board of Control) को प्राप्त शक्तियों को समाप्त कर दिया था?

- Ans
- 1. 1813 का अधिनियम
  - 2. 1786 का अधिनियम
  - 3. 1858 का अधिनियम
  - 4. 1853 का अधिनियम

Question ID : 264330112160  
Option 1 ID : 264330440726  
Option 2 ID : 264330440727  
Option 3 ID : 264330440725  
Option 4 ID : 264330440728  
Status : Not Answered  
Chosen Option : --

Q.29 किस कुल (family) के पौधों में एक अत्यधिक संकुचित पुष्पक्रम शाखा प्रणाली होती है, जिसे कैपिटुलम (capitulum) या पुष्प शीर्ष (flower head) कहा जाता है, जिसमें सभी पुष्प बिना शाखाओं वाले सहपत्रों (bracts) से घिरी एक धानी (receptacle) से जुड़े होते हैं?

- Ans
- 1. ऐस्टेरेसी (Asteraceae)
  - 2. रैननकुलेसी (Ranunculaceae)
  - 3. एरिकेसी (Ericaceae)
  - 4. सैपिन्डेसी (Sapindaceae)

Question ID : 264330130983  
Option 1 ID : 264330513045  
Option 2 ID : 264330513046  
Option 3 ID : 264330513044  
Option 4 ID : 264330513043  
Status : Not Answered  
Chosen Option : --

Q.30 उन जीवों की पहचान कीजिए, जो प्रथम स्तर के पोषी स्तर से संबंधित नहीं है?

- Ans
- 1. पादप प्लवक
  - 2. घास
  - 3. प्राणि प्लवक
  - 4. वृक्ष

Question ID : 26433091485  
Option 1 ID : 264330359305  
Option 2 ID : 264330359308  
Option 3 ID : 264330359306  
Option 4 ID : 264330359307  
Status : Answered  
Chosen Option : 3

Q.31 निम्नलिखित में से कौन-सी शब्दावली उन क्षेत्रों का वर्णन करती है, जहां पारिस्थितिक समुदाय, पारिस्थितिक तंत्र या जैविक क्षेत्र एक साथ मौजूद होते हैं?

- Ans
- 1. संक्रमिका (Ecotones)
  - 2. नितलक (Benthos)
  - 3. पारिस्थितिक प्रवणता (Ecocline)
  - 4. स्थायी तुषार भूमि (Permafrost)

Question ID : 264330110085  
Option 1 ID : 264330432620  
Option 2 ID : 264330432617  
Option 3 ID : 264330432619  
Option 4 ID : 264330432618  
Status : Answered  
Chosen Option : 3

Q.32 निम्नलिखित में से कौन-सा रोग राइनो विषाणु के कारण होता है?

- Ans
- 1. अमीबायसिस (Amoebiasis)
  - 2. सामान्य जुकाम (Common cold)
  - 3. एस्कारियासिस (Ascariasis)
  - 4. मलेरिया (Malaria)

Question ID : 264330113325  
Option 1 ID : 264330445386  
Option 2 ID : 264330445388  
Option 3 ID : 264330445387  
Option 4 ID : 264330445385  
Status : Not Answered  
Chosen Option : --

Q.33 नाबार्ड 1982 में अस्तित्व में आया। इसे कितनी प्रारंभिक पूंजी के साथ स्थापित किया गया था?

- Ans
- 1. ₹100 करोड़
  - 2. ₹200 करोड़
  - 3. ₹50 करोड़
  - 4. ₹150 करोड़

Question ID : 264330109364  
Option 1 ID : 264330429734  
Option 2 ID : 264330429736  
Option 3 ID : 264330429733  
Option 4 ID : 264330429735  
Status : Answered  
Chosen Option : 3

Q.34 ई वी रामास्वामी नायकर ने \_\_\_\_\_ आंदोलन की स्थापना की।

- Ans
- 1. सत्यशोधक समाज
  - 2. गदर
  - 3. सेल्फ-रिस्पेक्ट
  - 4. प्रार्थना समाज

Question ID : 264330111417  
Option 1 ID : 264330437755  
Option 2 ID : 264330437754  
Option 3 ID : 264330437756  
Option 4 ID : 264330437753  
Status : Not Answered  
Chosen Option : --

Q.35 R-X किस क्रियात्मक समूह का सामान्य सूत्र है, जिसमें समूह 17 के तत्वों द्वारा एक या अधिक हाइड्रोजन परमाणुओं को प्रतिस्थापित किया जाता है?

- Ans
- 1. इमाइन्स (Imines)
  - 2. नाइट्राइल (Nitrile)
  - 3. एमाइड (Amide)
  - 4. एल्किल हैलाइड (Alkyl halides)

Question ID : 264330114592

Option 1 ID : 264330450454

Option 2 ID : 264330450455

Option 3 ID : 264330450453

Option 4 ID : 264330450456

Status : Not Answered

Chosen Option : --

Q.36 निम्नलिखित में से कौन-सा कोई एलिसाइक्लिक यौगिक (Alicyclic compound) नहीं है?

- Ans
- 1. साइक्लोप्रोपेन
  - 2. आइसोब्यूटेन
  - 3. साइक्लोहेक्सेन
  - 4. साइक्लोहेक्सीन

Question ID : 264330131689

Option 1 ID : 264330515856

Option 2 ID : 264330515855

Option 3 ID : 264330515857

Option 4 ID : 264330515858

Status : Answered

Chosen Option : 4

Q.37 ये ज्वालामुखी मुख्यतः बेसाल्ट, जोकि ज्वालामुखी प्रस्फोट से निकलने वाला अत्यंत तरल लावा होता है, से बने होते हैं। इसी कारण ये ज्वालामुखी सीधी ढाल वाले नहीं होते हैं। निम्नलिखित में से कौन सा ज्वालामुखी ऊपर दिए गए प्रकार के ज्वालामुखी का उदाहरण है?

- Ans
- 1. हवाई ज्वालामुखी
  - 2. मायोन ज्वालामुखी
  - 3. माउंट रेनियर ज्वालामुखी
  - 4. माउंट शास्ता ज्वालामुखी

Question ID : 26433055828

Option 1 ID : 264330218297

Option 2 ID : 264330218299

Option 3 ID : 264330218296

Option 4 ID : 264330218298

Status : Not Answered

Chosen Option : --

Q.38 दूसरी पंचवर्षीय योजना में औद्योगीकरण के \_\_\_\_\_ मॉडल के आधार पर राज्य-संचालित उद्यमों के सार्वजनिक क्षेत्र की अवधारणा पेश की गई।

- Ans
- 1. जापानी
  - 2. फ्रेंच
  - 3. रूसी
  - 4. जर्मन

Question ID : 264330144401

Option 1 ID : 264330565862

Option 2 ID : 264330565860

Option 3 ID : 264330565861

Option 4 ID : 264330565859

Status : Answered

Chosen Option : 2

Q.39 भारत के जलवायु विभाजन की कोपेन की योजना के अनुसार, भारत की निम्नलिखित जलवायु को उनके संबंधित क्षेत्रों के साथ सुमेलित कीजिए।

- | जलवायु                                   | क्षेत्र                    |
|--|----------------------------|
| 1. लघु ग्रीष्मकाल युक्त शीत आर्द्र सर्दी | a. तमिलनाडु का कोरोमंडल तट |
| 2. उष्ण मरूस्थल                          | b. अरुणाचल प्रदेश          |
| 3. शुष्क ग्रीष्मकाल वाला मानसून          | c. अति पश्चिमी राजस्थान    |

- Ans
- 1. 1-a, 2-c, 3-b
  - 2. 1-c, 2-b, 3-a
  - 3. 1-b, 2-c, 3-a
  - 4. 1-b, 2-a, 3-c

Question ID : 264330132723

Option 1 ID : 264330519990

Option 2 ID : 264330519988

Option 3 ID : 264330519987

Option 4 ID : 264330519989

Status : Answered

Chosen Option : 2

Q.40 केंद्रीय प्रत्यक्ष कर बोर्ड (CBDT) ने आयकर (25वाँ संशोधन) नियम 2021 लागू किया है, जिसमें कहा गया है कि भविष्य निधि खाते में प्रति वित्तीय वर्ष \_\_\_\_\_ से अधिक के अंशदान के लिए अर्जित किसी भी ब्याज पर कर लगाया जाएगा।

- Ans
- 1. 10 लाख
  - 2. 5 लाख
  - 3. 2.5 लाख
  - 4. 7.5 लाख

Question ID : 264330156929

Option 1 ID : 264330615094

Option 2 ID : 264330615092

Option 3 ID : 264330615091

Option 4 ID : 264330615093

Status : Answered

Chosen Option : 4

Q.41 किसने अपने थीसिस में पाणिनि कोड को सुलझाया है?

- Ans
- 1. उदय सिंह कुमावत
  - 2. प्रसन्न के. शर्मा
  - 3. मनीष मणि तिवारी
  - 4. ऋषि राजपोपट

Question ID : 264330156961  
Option 1 ID : 264330615221  
Option 2 ID : 264330615219  
Option 3 ID : 264330615222  
Option 4 ID : 264330615220  
Status : Not Answered  
Chosen Option : --

Q.42 जब आप मूल प्राप्तकर्ता को पता चले बिना किसी अन्य को ईमेल की एक प्रति भेजना चाहते हैं तो किस फ़ील्ड का उपयोग किया जाना चाहिए?

- Ans
- 1. CC
  - 2. To
  - 3. From
  - 4. BCC

Question ID : 264330168575  
Option 1 ID : 264330661112  
Option 2 ID : 264330661111  
Option 3 ID : 264330661114  
Option 4 ID : 264330661113  
Status : Answered  
Chosen Option : 3

Q.43 भारत की जनगणना 2011 के अनुसार, सबसे घनी आबादी वाला राज्य कौन-सा है?

- Ans
- 1. केरल
  - 2. उत्तर प्रदेश
  - 3. हरियाणा
  - 4. बिहार

Question ID : 264330157093  
Option 1 ID : 264330615746  
Option 2 ID : 264330615744  
Option 3 ID : 264330615743  
Option 4 ID : 264330615745  
Status : Answered  
Chosen Option : 4

Q.44 निम्नलिखित में से कौन-सा विकल्प, एक वर्ष की अवधि के दौरान किसी देश के सामान्य निवासियों द्वारा उत्पादित सभी अंतिम वस्तुओं और सेवाओं के निवल मुद्रा मूल्य को संदर्भित करता है?

- Ans
- 1. उत्पादन लागत पर सकल राष्ट्रीय उत्पाद
  - 2. बाज़ार मूल्य पर निवल राष्ट्रीय उत्पाद
  - 3. उत्पादन लागत पर निवल राष्ट्रीय उत्पाद
  - 4. बाज़ार मूल्य पर सकल राष्ट्रीय उत्पाद

Question ID : 264330144404

Option 1 ID : 264330565873

Option 2 ID : 264330565871

Option 3 ID : 264330565872

Option 4 ID : 264330565874

Status : Answered

Chosen Option : 1

Q.45 बैसाखी के महीने में असम में तड़ित झंझावात (thunderstorms) को क्या कहा जाता है?

- Ans
- 1. घोरीसिला
  - 2. काल बैसाखी
  - 3. बारदोइसिला
  - 4. नॉरवेस्टर

Question ID : 264330134899

Option 1 ID : 264330528533

Option 2 ID : 264330528532

Option 3 ID : 264330528534

Option 4 ID : 264330528531

Status : Not Answered

Chosen Option : --

Q.46 फरवरी 2023 में, गुवाहाटी में \_\_\_\_\_ द्वारा यूथ20 (Y20) के पाँच विषयों (themes) पर श्वेत- पत्र जारी किया गया।

- Ans
- 1. पीयूष गोयल
  - 2. अमित शाह
  - 3. अनुराग ठाकुर
  - 4. नितिन गडकरी

Question ID : 264330132615

Option 1 ID : 264330519557

Option 2 ID : 264330519558

Option 3 ID : 264330519555

Option 4 ID : 264330519556

Status : Answered

Chosen Option : 1

Q.47 आहार में किस विटामिन की कमी से कोर्साकॉफ़ सिंड्रोम (Korsakoff syndrome) होता है, जो एक दीर्घकालिक स्मृति विकार है, और आपके मस्तिष्क को नुकसान पहुँचाता है?

- Ans
- 1. फाइलोक्विनोन (Phylloquinone)
  - 2. टोकोफेरॉल (Tocopherol)
  - 3. नियासिन (Niacin)
  - 4. थायमीन (Thiamine)

Question ID : 264330130990

Option 1 ID : 264330513074

Option 2 ID : 264330513072

Option 3 ID : 264330513073

Option 4 ID : 264330513071

Status : Not Answered

Chosen Option : --

Q.48 मनोज सिन्हा, जो जम्मू-कश्मीर केंद्र शासित प्रदेश के दूसरे उप-राज्यपाल हैं, \_\_\_\_\_ के निवासी हैं।

- Ans
- 1. मध्य प्रदेश
  - 2. उत्तर प्रदेश
  - 3. झारखंड
  - 4. उड़ीसा

Question ID : 264330132584

Option 1 ID : 264330519434

Option 2 ID : 264330519433

Option 3 ID : 264330519432

Option 4 ID : 264330519431

Status : Not Answered

Chosen Option : --

Q.49 दक्षिण भारत की मंदिर वास्तुकला के संदर्भ में गोपुरम शब्द का क्या अर्थ है?

- Ans
- 1. मंदिर के पास गाय रखने का स्थान
  - 2. मंदिर के शिखर का ऊपरी किनारा
  - 3. मंदिर की सम्मुख दीवार में प्रवेश द्वार
  - 4. देवता को स्थापित करने के लिए मंदिर का मंच

Question ID : 26433071466

Option 1 ID : 264330280290

Option 2 ID : 264330280289

Option 3 ID : 264330280291

Option 4 ID : 264330280288

Status : Answered

Chosen Option : 2



Q.50 19<sup>वीं</sup> सदी के किस जर्मन रसायनज्ञ ने 1865 में बेंजीन रिंग संरचना की कल्पना की थी?

- Ans
- 1. एमिल फिशर (Emil Fischer)
  - 2. मार्गुएराइट पेरी (Marguerite Perey)
  - 3. फ्रेडरिक ऑगस्ट केकुले (Friedrich August Kekule)
  - 4. रॉबर्ट बन्सन (Robert Bunsen)

Question ID : 264330141681  
Option 1 ID : 264330555044  
Option 2 ID : 264330555043  
Option 3 ID : 264330555046  
Option 4 ID : 264330555045  
Status : Not Answered  
Chosen Option : --

Section : General Engineering Electrical

Q.1 The horizontal amplifier should be designed for \_\_\_\_\_.

- Ans
- 1. low amplitude signals with a fast rise time
  - 2. high frequency signals with a fast rise time
  - 3. high amplitude signals with a fast rise time
  - 4. high amplitude signals with a slow rise time

Question ID : 26433098259  
Option 1 ID : 264330385692  
Option 2 ID : 264330385689  
Option 3 ID : 264330385691  
Option 4 ID : 264330385690  
Status : Not Answered  
Chosen Option : --

Q.2 In AC series motor, power factor is low because of \_\_\_\_\_.

- Ans
- 1. high capacitance of the field and armature circuit
  - 2. high inductance of the field and armature circuit
  - 3. high resistance of the field and armature circuit
  - 4. low inductance of the field and armature circuit

Question ID : 26433098250  
Option 1 ID : 264330385654  
Option 2 ID : 264330385656  
Option 3 ID : 264330385653  
Option 4 ID : 264330385655  
Status : Answered  
Chosen Option : 2

Q.3 Which of the following is a ferromagnetic material?

- Ans  1. Gold  
 2. Nickel  
 3. Water  
 4. Oxygen

Question ID : 26433096880  
Option 1 ID : 264330380257  
Option 2 ID : 264330380259  
Option 3 ID : 264330380260  
Option 4 ID : 264330380258  
Status : Answered  
Chosen Option : 2

Q.4 Which of the following statements is NOT correct about the significance of stationary armature alternator?

- Ans  1. The output current can be easily taken from rotor winding.  
 2. The armature windings of the rotating field alternator are not subjected to centrifugal forces.  
 3. The rotating field type alternator has a smaller size than the rotating armature type.  
 4. The armature windings can be braced better mechanically against the high electromagnetic force.

Question ID : 26433099540  
Option 1 ID : 264330390776  
Option 2 ID : 264330390773  
Option 3 ID : 264330390775  
Option 4 ID : 264330390774  
Status : Answered  
Chosen Option : 2

Q.5 Calculate the apparent power of a circuit if the circuit has a power factor of 0.8 and the active power of the circuit is 40 W.

- Ans  1. 75 VA  
 2. 100 VA  
 3. 50 VA  
 4. 40 VA

Question ID : 264330159433  
Option 1 ID : 264330625093  
Option 2 ID : 264330625091  
Option 3 ID : 264330625092  
Option 4 ID : 264330625094  
Status : Answered  
Chosen Option : 4

Q.6 Which of the following lighting calculation methods is handy and quick?

- Ans
- 1. Point by point method
  - 2. Lumen method
  - 3. Flux method
  - 4. Watts per square metre method

Question ID : 26433098215  
Option 1 ID : 264330385514  
Option 2 ID : 264330385515  
Option 3 ID : 264330385516  
Option 4 ID : 264330385513  
Status : Answered  
Chosen Option : 1

Q.7 In case of magnetic circuits, the force that tends to create magnetic flux is called \_\_\_\_\_.

- Ans
- 1. absolute permeability
  - 2. reluctance
  - 3. relative permeability
  - 4. MMF

Question ID : 264330157666  
Option 1 ID : 264330618024  
Option 2 ID : 264330618023  
Option 3 ID : 264330618026  
Option 4 ID : 264330618025  
Status : Answered  
Chosen Option : 4

Q.8 Three-point lighting is usually employed in film lighting schemes. Which of the following does NOT form a part of the scheme?

- Ans
- 1. Fill lighting
  - 2. Key lighting
  - 3. Bounce lighting
  - 4. Back lighting

Question ID : 264330100102  
Option 1 ID : 264330392984  
Option 2 ID : 264330392981  
Option 3 ID : 264330392982  
Option 4 ID : 264330392983  
Status : Not Answered  
Chosen Option : --

**Q.9** The following test results were obtained from a 6 kVA, 200/400 V, 50 Hz single-phase transformer: Data for no-load low-voltage side: 200 V, 0.5 A and 50 W. At normal voltage and frequency, determine the magnetising current of the transformer.

- Ans
- 1. 0.433 A
  - 2. 0.569 A
  - 3. 0.236 A
  - 4. 0 A

Question ID : 264330163311  
Option 1 ID : 264330640546  
Option 2 ID : 264330640544  
Option 3 ID : 264330640545  
Option 4 ID : 264330640543  
Status : Not Answered  
Chosen Option : --

**Q.10** The deflecting torque in a PMMC instrument is proportional to \_\_\_\_\_.

- Ans
- 1. the square of the current flowing through the coil
  - 2. the current flowing through the coil
  - 3. the area of the coil
  - 4. the resistance of the coil

Question ID : 264330157594  
Option 1 ID : 264330617738  
Option 2 ID : 264330617737  
Option 3 ID : 264330617735  
Option 4 ID : 264330617736  
Status : Answered  
Chosen Option : 1

**Q.11** What is the function of the phosphor-coated screen in a CRT?

- Ans
- 1. It is the part that moves the direction of the electron beam
  - 2. It is the part that generates a beam of electrons
  - 3. It is the part that emits light
  - 4. It is the part that regulates the intensity of the electron beam

Question ID : 264330157574  
Option 1 ID : 264330617657  
Option 2 ID : 264330617655  
Option 3 ID : 264330617656  
Option 4 ID : 264330617658  
Status : Answered  
Chosen Option : 3

Q.12 The height between the two supports of a transmission and distribution overhead line can be determined as:

Ans  1.

$\frac{1}{2} \times$  (Vertical distance between the lower height support point of the conductor and lowest point of the conductor)

2. (Vertical distance between the lower height support point of the conductor and Lowest point of the conductor) + (Vertical distance between the higher height support point of the conductor and lowest point of the conductor)

3.

(Vertical distance between the higher height support point of the conductor and Lowest point of the conductor) – (Vertical distance between the lower height support point of the conductor and lowest point of the conductor)

4.

$\frac{1}{2} \times$  (Vertical distance between the higher height support point of the conductor and lowest point of the conductor)

Question ID : 264330159789

Option 1 ID : 264330626505

Option 2 ID : 264330626503

Option 3 ID : 264330626504

Option 4 ID : 264330626506

Status : Answered

Chosen Option : 4

Q.13 What is the main reason of placing field winding on the stationary rotor?

Ans  1. Insulation of high voltage is made easy on stator than on rotor.

2. Field circuit possesses less power.

3. Stator is associated with more power.

4. Stator is associated with more current.

Question ID : 264330164898

Option 1 ID : 264330646721

Option 2 ID : 264330646722

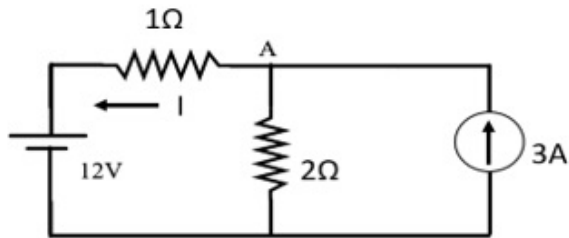
Option 3 ID : 264330646719

Option 4 ID : 264330646720

Status : Answered

Chosen Option : 4

Q.14 In the circuit shown below, the value of the current I is \_\_\_\_\_.



- Ans
- 1. 4 A
  - 2. 2 A
  - 3. 0 A
  - 4. -2 A

Question ID : 26433096485

Option 1 ID : 264330378678

Option 2 ID : 264330378677

Option 3 ID : 264330378679

Option 4 ID : 264330378680

Status : Answered

Chosen Option : 2

Q.15 A 25 V, 800 W bulb is connected to a 10 V source. The power consumed by the bulb is \_\_\_\_\_.

- Ans
- 1. 100 W
  - 2. 64 W
  - 3. 400 W
  - 4. 128 W

Question ID : 264330166286

Option 1 ID : 264330652205

Option 2 ID : 264330652203

Option 3 ID : 264330652206

Option 4 ID : 264330652204

Status : Not Answered

Chosen Option : --

Q.16 Which of the following is NOT a desirable property for the insulating materials used in an underground cable?

- Ans
- 1. High dielectric strength
  - 2. High insulation resistance
  - 3. Non-inflammable
  - 4. Hygroscopic

Question ID : 264330158127

Option 1 ID : 264330619869

Option 2 ID : 264330619867

Option 3 ID : 264330619870

Option 4 ID : 264330619868

Status : Answered

Chosen Option : 4

Q.17 During working of a permanent magnet synchronous motor, \_\_\_\_\_.

- Ans
- 1. stator and rotor both produce constant magnetic field
  - 2. stator and rotor both produce rotating magnetic field
  - 3. rotor produces constant magnetic field and stator produces rotating magnetic field
  - 4. rotor produces rotating magnetic field and stator produces constant magnetic field

Question ID : 264330164863  
Option 1 ID : 264330646580  
Option 2 ID : 264330646581  
Option 3 ID : 264330646582  
Option 4 ID : 264330646579  
Status : Answered  
Chosen Option : 2

Q.18 Which of the following is true regarding reciprocity theorem?

- Ans
- 1. The product of response and excitation remains the same.
  - 2. The sum of response and the excitation remains the same.
  - 3. The ratio of the response to the excitation remains the same.
  - 4. The difference between response and excitation remains the same.

Question ID : 26433096471  
Option 1 ID : 264330378623  
Option 2 ID : 264330378622  
Option 3 ID : 264330378621  
Option 4 ID : 264330378624  
Status : Answered  
Chosen Option : 3

Q.19 Reciprocity theorem CANNOT be applied to the circuit having \_\_\_\_\_.

- Ans
- 1. bilateral elements
  - 2. non-linear elements and multi-sources
  - 3. linear elements
  - 4. only one independent sources

Question ID : 26433096473  
Option 1 ID : 264330378630  
Option 2 ID : 264330378632  
Option 3 ID : 264330378629  
Option 4 ID : 264330378631  
Status : Answered  
Chosen Option : 4

Q.20 In an electrical circuit, the current that changes periodically, both in magnitude and direction, at regular intervals of time is called \_\_\_\_\_.

- Ans  1. alternating current  
 2. phase current  
 3. direct current  
 4. leading current

Question ID : 264330157631  
Option 1 ID : 264330617884  
Option 2 ID : 264330617885  
Option 3 ID : 264330617883  
Option 4 ID : 264330617886  
Status : Answered  
Chosen Option : 1

Q.21 If the frequency of supply in a three core underground cable is doubled, the charging current will be \_\_\_\_\_.

- Ans  1. four times  
 2. half  
 3. double  
 4. three times

Question ID : 264330158122  
Option 1 ID : 264330619850  
Option 2 ID : 264330619847  
Option 3 ID : 264330619848  
Option 4 ID : 264330619849  
Status : Answered  
Chosen Option : 1

Q.22 A balanced star connected load of  $4 + j3 \Omega$  per phase connected to a 3-phase, 230 V (phase value) supply. Find the value of active power.

- Ans  1. 15.34 kW  
 2. 25.4 kW  
 3. 22.45 kW  
 4. 19.13 kW

Question ID : 26433098297  
Option 1 ID : 264330385842  
Option 2 ID : 264330385844  
Option 3 ID : 264330385843  
Option 4 ID : 264330385841  
Status : Answered  
Chosen Option : 3

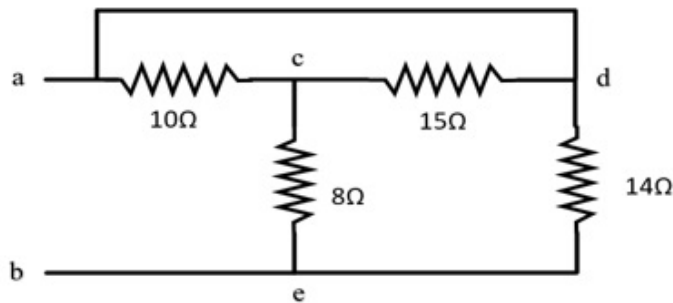


Q.23 The deflection sensitivity in a cathode ray oscilloscope (CRO) is \_\_\_\_\_ the mass of electron.

- Ans
- 1. directly proportional to the square root of
  - 2. inversely proportional to the square root of
  - 3. directly proportional to
  - 4. inversely proportional to

Question ID : 264330100765  
 Option 1 ID : 264330395607  
 Option 2 ID : 264330395608  
 Option 3 ID : 264330395605  
 Option 4 ID : 264330395606  
 Status : Answered  
 Chosen Option : 3

Q.24 Find the equivalent resistance across terminal a-b:



- Ans
- 1. 7Ω
  - 2. 28Ω
  - 3. 20Ω
  - 4. 14Ω

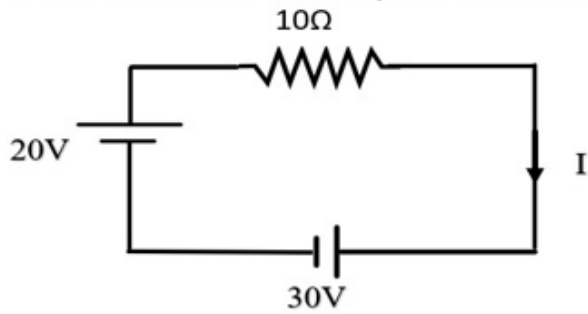
Question ID : 26433096411  
 Option 1 ID : 264330378381  
 Option 2 ID : 264330378382  
 Option 3 ID : 264330378383  
 Option 4 ID : 264330378384  
 Status : Answered  
 Chosen Option : 4

Q.25 In a pure inductive circuit, if the frequency of the AC source is doubled, then its inductive reactance will:

- Ans
- 1. become zero
  - 2. remain the same
  - 3. be halved
  - 4. be doubled

Question ID : 264330159439  
 Option 1 ID : 264330625118  
 Option 2 ID : 264330625116  
 Option 3 ID : 264330625117  
 Option 4 ID : 264330625115  
 Status : Answered  
 Chosen Option : 4

Q.26 In the circuit shown below, the current  $I$  in the circuit is:



- Ans  1. -1 A  
 2. 0 A  
 3. 2 A  
 4. 1 A

Question ID : 26433096455

Option 1 ID : 264330378559

Option 2 ID : 264330378560

Option 3 ID : 264330378558

Option 4 ID : 264330378557

Status : Answered

Chosen Option : 4

Q.27 With respect to measuring the current in a circuit using the CRO, which of the following statements is/are correct?

- I. A low-resistance standard resistor is connected in series with the circuit whose current is being measured.  
 II. The CRO is connected across the standard resistor to measure the voltage drop across it.  
 III. A high-resistance standard resistor is connected in parallel with the circuit where the current is being measured.  
 IV. The CRO is connected in series with the circuit whose current is being measured.

- Ans  1. Only III and IV  
 2. Only IV  
 3. Only I and IV  
 4. Only I and II

Question ID : 264330160630

Option 1 ID : 264330629852

Option 2 ID : 264330629854

Option 3 ID : 264330629853

Option 4 ID : 264330629851

Status : Not Answered

Chosen Option : --

Q.28 The admittance of an electric circuit is represented by  $Y = (3 + j4)$ . What is the value of resistance in this circuit?

Ans

1.  $\frac{4}{25} \Omega$

2.  $\frac{2}{25} \Omega$

3.  $\frac{1}{25} \Omega$

4.  $\frac{3}{25} \Omega$

Question ID : 264330159856

Option 1 ID : 264330626771

Option 2 ID : 264330626773

Option 3 ID : 264330626774

Option 4 ID : 264330626772

Status : Answered

Chosen Option : 3

Q.29 Which of the following statements is NOT correct about active power in an AC circuit?

Ans

1. Active power depends on power factor.

2. Active power is the power dissipated in the pure inductance.

3. Active power can be measured in terms of kilo watt.

4. Active power is the power dissipated in the pure resistance.

Question ID : 26433098289

Option 1 ID : 264330385809

Option 2 ID : 264330385811

Option 3 ID : 264330385812

Option 4 ID : 264330385810

Status : Answered

Chosen Option : 4

Q.30 Choose the most efficient generator for wind power generation.

Ans

1. Permanent magnet synchronous generator

2. Squirrel cage induction generators

3. Induction generators

4. Doubly-fed induction generator

Question ID : 26433099572

Option 1 ID : 264330390902

Option 2 ID : 264330390903

Option 3 ID : 264330390904

Option 4 ID : 264330390901

Status : Answered

Chosen Option : 4

Q.31 Which of the following is the correct interrelation between the variables  $x_1$  and  $x_2$  used in the expression to calculate the sag in a transmission conductor with different heights, where, variables  $x_1$  and  $x_2$  represent the horizontal distances of support at lower and higher levels from the lowest point of the conductor, respectively?

- Ans  1.  $x_1 < x_2$   
 2.  $x_1 \gg x_2$   
 3.  $x_1 = x_2$   
 4.  $x_1 > x_2$

Question ID : 264330162602

Option 1 ID : 264330637736

Option 2 ID : 264330637738

Option 3 ID : 264330637735

Option 4 ID : 264330637737

Status : Not Answered

Chosen Option : --

Q.32 Calculate the respective values of magnetising force and flux density at a distance of 10 cm from a long circular conductor carrying a current of  $100\pi$  A, placed in air?

- Ans  1.  $1500 \text{ Wb/m}^2$  and  $3.14 \times 10^{-4} \text{ AT/m}$   
 2.  $500 \text{ AT/m}$  and  $6.28 \times 10^{-4} \text{ Wb/m}^2$   
 3.  $6.28 \times 10^{-7} \text{ AT/m}$  and  $500 \text{ Wb/m}^2$   
 4.  $50 \text{ Wb/m}^2$  and  $6.28 \times 10^{-7} \text{ AT/m}$

Question ID : 26433096918

Option 1 ID : 264330380411

Option 2 ID : 264330380409

Option 3 ID : 264330380412

Option 4 ID : 264330380410

Status : Not Answered

Chosen Option : --

Q.33 Which of the following connections is used as distribution transformer?

- Ans  1. Star-star  
 2. Star-delta  
 3. Delta-delta  
 4. Delta-star

Question ID : 26433096108

Option 1 ID : 264330377204

Option 2 ID : 264330377202

Option 3 ID : 264330377201

Option 4 ID : 264330377203

Status : Answered

Chosen Option : 4

Q.34 Which of the following types of steel is used to make the core of a transformer?

- Ans  1. High-carbon steel  
 2. Silicon steel  
 3. Stainless steel  
 4. Tool steel

Question ID : 264330163317  
Option 1 ID : 264330640567  
Option 2 ID : 264330640569  
Option 3 ID : 264330640568  
Option 4 ID : 264330640570  
Status : Answered  
Chosen Option : 2

Q.35 Which of the following statements is/are correct regarding black liquor?

- A) It retains more than 50% of the biomass energy of wood.  
B) It is a non-toxic substance produced when wood is burned into paper.  
C) Tall oil is an important by-product separated from black liquor by skimming.

- Ans  1. Only C  
 2. B and C  
 3. A and C  
 4. A and B

Question ID : 264330158066  
Option 1 ID : 264330619626  
Option 2 ID : 264330619625  
Option 3 ID : 264330619624  
Option 4 ID : 264330619623  
Status : Not Answered  
Chosen Option : --

Q.36 In motor applications, efficiency of the motor is always less than 100% due to conversion of the \_\_\_\_.

- Ans  1. input energy into heat  
 2. output energy into current  
 3. input energy into voltage  
 4. output energy into heat

Question ID : 264330157606  
Option 1 ID : 264330617784  
Option 2 ID : 264330617785  
Option 3 ID : 264330617783  
Option 4 ID : 264330617786  
Status : Answered  
Chosen Option : 1

Q.37 The split-phase induction motor is NOT used for drives that require more than \_\_\_\_\_.

- Ans  1. 1 KW  
 2. 100 KW  
 3. 10 KW  
 4. 1000 KW

Question ID : 264330164886  
Option 1 ID : 264330646671  
Option 2 ID : 264330646673  
Option 3 ID : 264330646672  
Option 4 ID : 264330646674  
Status : Answered  
Chosen Option : 3

Q.38 For an AC circuit, the voltage and the current are given as  $V = (100 + j10)$  V and  $I = (20 - j10)$  A, respectively. The active power of the circuit is:

- Ans  1.  $P = 1800$  W  
 2.  $P = 1900$  W  
 3.  $P = 1000$  W  
 4.  $P = 1500$  W

Question ID : 264330159591  
Option 1 ID : 264330625724  
Option 2 ID : 264330625723  
Option 3 ID : 264330625726  
Option 4 ID : 264330625725  
Status : Answered  
Chosen Option : 2

Q.39 If V-I characteristics is plotted for forward current by increasing the temperature, it has been seen that plot for V-I characteristics \_\_\_\_\_ as temperature increases.

- Ans  1. does not change  
 2. is moved to the left  
 3. is moved to the right  
 4. is moved down

Question ID : 26433098136  
Option 1 ID : 264330385199  
Option 2 ID : 264330385198  
Option 3 ID : 264330385197  
Option 4 ID : 264330385200  
Status : Answered  
Chosen Option : 1

Q.40 A rectifier type instrument uses a bridge rectifier and has its scale calibrated in terms of rms value of a sine wave. It indicates a voltage of 3.33 V when measuring a voltage of a triangular wave shape. Calculate the peak value of the applied voltage?

- Ans
- 1. 6.66 Volts
  - 2. 9.99 Volts
  - 3. 6 Volts
  - 4. 9 Volts

Question ID : 264330157586  
Option 1 ID : 264330617704  
Option 2 ID : 264330617706  
Option 3 ID : 264330617703  
Option 4 ID : 264330617705  
Status : Answered  
Chosen Option : 2

Q.41 Which of the following is NOT an advantage of shell type transformers over core type transformers?

- Ans
- 1. Easy maintenance
  - 2. Less copper requirement
  - 3. High mechanical strength
  - 4. Reduced loss

Question ID : 264330163319  
Option 1 ID : 264330640576  
Option 2 ID : 264330640575  
Option 3 ID : 264330640577  
Option 4 ID : 264330640578  
Status : Answered  
Chosen Option : 4

Q.42 In electromagnetic induction, the energy is supplied to the circuit and a part of this supplied energy is spent to meet \_\_\_\_.

- Ans
- 1. eddy current loss
  - 2. iron losses
  - 3.  $I^2R$  losses
  - 4. hysteresis loss

Question ID : 264330157615  
Option 1 ID : 264330617822  
Option 2 ID : 264330617819  
Option 3 ID : 264330617820  
Option 4 ID : 264330617821  
Status : Answered  
Chosen Option : 1

Q.43 In an electronic circuit, the potential difference across any one resistor is a fraction of the total voltage applied across the series combination. Such a circuit is called \_\_\_\_\_.

- Ans
- 1. voltage multiplier circuit
  - 2. current multiplier circuit
  - 3. current divider circuit
  - 4. voltage divider circuit

Question ID : 264330157628

Option 1 ID : 264330617874

Option 2 ID : 264330617873

Option 3 ID : 264330617871

Option 4 ID : 264330617872

Status : Answered

Chosen Option : 1

Q.44 The barrier potential can be calculated by \_\_\_\_\_ (where, the symbols have their usual meaning).

- Ans
- 1.  $E_0 = (kT/q) \ln (n_i^2 / N_D * N_A)$
  - 2.  $E_0 = (kT/q) \ln (N_D * N_A / n_i^2)$
  - 3.  $E_0 = (kT/q) \ln (N_A * N_A / n_i^2)$
  - 4.  $E_0 = (kT/q) \ln (N_D * N_D / n_i)$

Question ID : 26433098133

Option 1 ID : 264330385188

Option 2 ID : 264330385185

Option 3 ID : 264330385186

Option 4 ID : 264330385187

Status : Answered

Chosen Option : 2

Q.45 Which of the following statements is FALSE in association with synchronous motor applications?

- Ans
- 1. Synchronous motor is highly suitable for low power output below 40 kW in medium speed range.
  - 2. Voltage regulation can be done using synchronous motor.
  - 3. Synchronous motor is used in constant load drive application.
  - 4. Synchronous motor is expensive in low power output application.

Question ID : 264330164904

Option 1 ID : 264330646743

Option 2 ID : 264330646746

Option 3 ID : 264330646744

Option 4 ID : 264330646745

Status : Answered

Chosen Option : 4



Q.46 Which of the following overhead conductor materials is preferred for the harmful gas (like ammonia) atmosphere?

- Ans
- 1. Aluminium
  - 2. Galvanized steel
  - 3. Phosphor bronze
  - 4. Cadmium copper

Question ID : 264330159734  
Option 1 ID : 264330626294  
Option 2 ID : 264330626291  
Option 3 ID : 264330626292  
Option 4 ID : 264330626293  
Status : Answered  
Chosen Option : 1

Q.47 What is the use of encoder in the DC servomotor?

- Ans
- 1. Determines the rotational speed of the motor
  - 2. Determines the magnetic field strength inside the motor
  - 3. Determines the temperature of the windings of the motor
  - 4. Determines the input voltage of the motor

Question ID : 264330164866  
Option 1 ID : 264330646591  
Option 2 ID : 264330646593  
Option 3 ID : 264330646594  
Option 4 ID : 264330646592  
Status : Not Answered  
Chosen Option : --

Q.48 In the split-phase induction motor, both main winding and starting winding are displaced \_\_\_\_\_ in space.

- Ans
- 1. 360 degrees
  - 2. 90 degrees
  - 3. 180 degrees
  - 4. 270 degrees

Question ID : 264330164892  
Option 1 ID : 264330646698  
Option 2 ID : 264330646695  
Option 3 ID : 264330646696  
Option 4 ID : 264330646697  
Status : Answered  
Chosen Option : 2

Q.49 A substation is a facility that transmits and distributes electricity. It serves as an intermediary between electricity plants and end users. Which of the following statements about substations is INCORRECT?

- Ans
- 1. Domestic consumers may also connect directly to the main transmission network.
  - 2. Rotary converters are also used in railway substations.
  - 3. All of the options
  - 4. At the point of interconnection between two distinct transmission voltages, transformers may be installed in a substation.

Question ID : 264330158153

Option 1 ID : 264330619972

Option 2 ID : 264330619973

Option 3 ID : 264330619974

Option 4 ID : 264330619971

Status : Answered

Chosen Option : 3

Q.50 In an electrical network, if the quantity of a source is controlled by another voltage or current present in the circuit, such a source is called \_\_\_\_\_.

- Ans
- 1. dependent source
  - 2. independent source
  - 3. non-ideal source
  - 4. ideal source

Question ID : 264330157634

Option 1 ID : 264330617895

Option 2 ID : 264330617896

Option 3 ID : 264330617898

Option 4 ID : 264330617897

Status : Answered

Chosen Option : 1

Q.51 A coal-fired thermal power plant generates 750 MW of electricity with a thermal efficiency of 30%. The coal has a heating value of 30,000 kJ/kg. Find the mass flow rate of the coal required to generate the required electricity.

- Ans
- 1. 0.833 kg/s
  - 2. 83.33 kg/s
  - 3. 8.33 kg/s
  - 4. 0.0833 kg/s

Question ID : 264330158074

Option 1 ID : 264330619655

Option 2 ID : 264330619658

Option 3 ID : 264330619656

Option 4 ID : 264330619657

Status : Not Answered

Chosen Option : --

Q.52 What type of rotor is used in alternators driven by hydro-turbines?

- Ans
- 1. Non-salient pole type
  - 2. Salient pole type
  - 3. Shaded pole type
  - 4. Smooth cylindrical type

Question ID : 26433099512  
Option 1 ID : 264330390663  
Option 2 ID : 264330390661  
Option 3 ID : 264330390664  
Option 4 ID : 264330390662  
Status : Answered  
Chosen Option : 2

Q.53 An LC circuit with inductance  $L = 2\text{H}$  and capacitance  $C = 8\ \mu\text{F}$  is connected to an AC source. Find the value of the power factor of combination.

- Ans
- 1. 2
  - 2. 10
  - 3. 0
  - 4. 8

Question ID : 264330159512  
Option 1 ID : 264330625409  
Option 2 ID : 264330625410  
Option 3 ID : 264330625407  
Option 4 ID : 264330625408  
Status : Answered  
Chosen Option : 3

Q.54 The load on the transformer changes every day, with a daily production of 120 kWh and a cumulative loss of 5 kWh. What is the all-day efficiency of the transformer?

- Ans
- 1. 90%
  - 2. 95%
  - 3. 92%
  - 4. 96%

Question ID : 264330162906  
Option 1 ID : 264330638940  
Option 2 ID : 264330638941  
Option 3 ID : 264330638942  
Option 4 ID : 264330638939  
Status : Not Answered  
Chosen Option : --

Q.55 The transfer characteristic of JFET is drawn between:

Ans

- 1.  $I_B$  and  $V_{DS}$
- 2.  $I_{DSS}$  and  $V_{GS}$
- 3.  $I_B$  and  $V_{GS}$
- 4.  $I_{DSS}$  and  $V_{DS}$

Question ID : 264330159777

Option 1 ID : 264330626457

Option 2 ID : 264330626455

Option 3 ID : 264330626456

Option 4 ID : 264330626458

Status : Answered

Chosen Option : 4

Q.56 At the leading power factor, the armature reaction of an alternator is:

Ans

- 1. wholly magnetising
- 2. partially cross magnetising and partially magnetising
- 3. partially cross magnetising and partially demagnetising
- 4. wholly demagnetising

Question ID : 26433099519

Option 1 ID : 264330390692

Option 2 ID : 264330390690

Option 3 ID : 264330390689

Option 4 ID : 264330390691

Status : Answered

Chosen Option : 2

Q.57 Repulsion start induction run motors are used in applications such as \_\_\_\_\_.

Ans

- 1. vacuum cleaners
- 2. hair dryers
- 3. fans
- 4. compressors

Question ID : 26433099627

Option 1 ID : 264330391122

Option 2 ID : 264330391123

Option 3 ID : 264330391124

Option 4 ID : 264330391121

Status : Answered

Chosen Option : 1

Q.58 For measuring the earth resistance by the fall-of-potential method, how many auxiliary electrodes are used?

- Ans  1. 1  
 2. 2  
 3. 4  
 4. 3

Question ID : 264330160648

Option 1 ID : 264330629926

Option 2 ID : 264330629925

Option 3 ID : 264330629923

Option 4 ID : 264330629924

Status : Answered

Chosen Option : 1

Q.59 Which of the following statements is accurate regarding wires and cables?

- Ans  1. Wires are made by stranding together many cables.  
 2. Wires and cables are never insulated.  
 3. Cables are made by stranding together many wires.  
 4. Wires and cables are the same thing.

Question ID : 264330158152

Option 1 ID : 264330619969

Option 2 ID : 264330619970

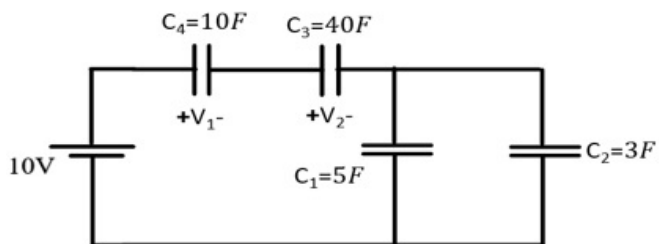
Option 3 ID : 264330619968

Option 4 ID : 264330619967

Status : Answered

Chosen Option : 3

Q.60 For the circuit shown below, the voltage across 10F and 40 F capacitors are:



- Ans  1. 400 V and 1600 V, respectively  
 2. 10 V and 40 V, respectively  
 3. 1V and 4 V, respectively  
 4. 4 V and 1 V, respectively

Question ID : 26433096396

Option 1 ID : 264330378324

Option 2 ID : 264330378323

Option 3 ID : 264330378322

Option 4 ID : 264330378321

Status : Answered

Chosen Option : 3

Q.61 Why is the hold-on coil connected in series with the shunt field in a three-point starter of a DC motor?

- Ans
- 1. To control the speed of the motor
  - 2. To prevent the motor from running away in case of an open-field circuit
  - 3. To disconnect the supply when the motor is in normal operation
  - 4. To provide the lubricant for the motor

Question ID : 264330163303

Option 1 ID : 264330640511

Option 2 ID : 264330640514

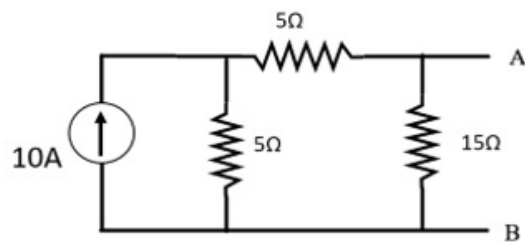
Option 3 ID : 264330640512

Option 4 ID : 264330640513

Status : Answered

Chosen Option : 1

Q.62 The Norton's equivalent current between the load terminal A-B will be:



- Ans
- 1. 10 A
  - 2. 5 A
  - 3. 0 A
  - 4. 20 A

Question ID : 26433096468

Option 1 ID : 264330378609

Option 2 ID : 264330378610

Option 3 ID : 264330378611

Option 4 ID : 264330378612

Status : Not Answered

Chosen Option : --

Q.63 In case of thermal efficiency, by using which of the following relations can 1 kWh of electrical energy be converted into joules?

- Ans
- 1.  $1\text{kWh} = 36 \times 10^6$  joules
  - 2.  $1\text{kWh} = 3.6 \times 10^3$  joules
  - 3.  $1\text{kWh} = 3.6 \times 10^5$  joules
  - 4.  $1\text{kWh} = 36 \times 10^5$  joules

Question ID : 264330157608

Option 1 ID : 264330617791

Option 2 ID : 264330617793

Option 3 ID : 264330617794

Option 4 ID : 264330617792

Status : Answered

Chosen Option : 3

Q.64 Which phase of the project management lifecycle often takes the longest to wrap up?

- Ans  1. Conceptualisation  
 2. Execution  
 3. Estimation  
 4. Planning

Question ID : 264330158177

Option 1 ID : 264330620068

Option 2 ID : 264330620070

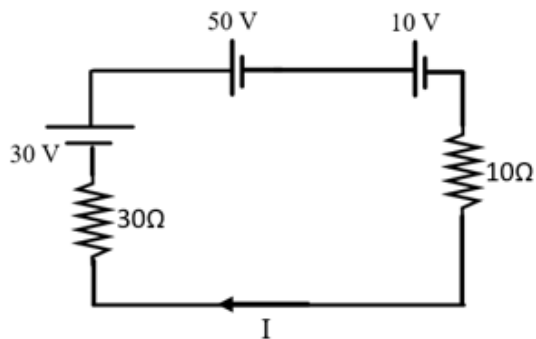
Option 3 ID : 264330620069

Option 4 ID : 264330620067

Status : Answered

Chosen Option : 4

Q.65 The value of the current I in the circuit is \_\_\_\_\_.



- Ans  1. -0.75 A  
 2. 0.75 A  
 3. -2.25 A  
 4. 2.25 A

Question ID : 264330160215

Option 1 ID : 264330628199

Option 2 ID : 264330628200

Option 3 ID : 264330628201

Option 4 ID : 264330628202

Status : Answered

Chosen Option : 1

Q.66 Identify the correct voltage range of medium transmission line.

- Ans  1. >5 kV < 10 kV  
 2. >20 kV < 100 kV  
 3. >100 kV < 200 kV  
 4. >1 kV < 5 kV

Question ID : 264330159733

Option 1 ID : 264330626288

Option 2 ID : 264330626289

Option 3 ID : 264330626290

Option 4 ID : 264330626287

Status : Answered

Chosen Option : 2

**Q.67** Which of the following statements is true about selection of the size of units in electrical energy generation?

- Ans**  1. The size should be selected such that the unit operates close to the load curve of the station.
2. The size should be selected independent of both the maximum demand curve and the load curve.
3. The size of units must match both the maximum demand curve and the load curve.
4. The size must be selected such that the unit operates close to the maximum demand curve of the station.

Question ID : 264330158076

Option 1 ID : 264330619663

Option 2 ID : 264330619666

Option 3 ID : 264330619665

Option 4 ID : 264330619664

Status : Answered

Chosen Option : 3

**Q.68** The actual efficiency of a solar power plant is lower than its theoretical efficiency. Which of the following can be reasons for this?

- I) Recombination of electrons and holes  
II) Internal resistance of the cell

- Ans**  1. Only I
2. Both I and II
3. Neither I nor II
4. Only II

Question ID : 264330158073

Option 1 ID : 264330619651

Option 2 ID : 264330619653

Option 3 ID : 264330619654

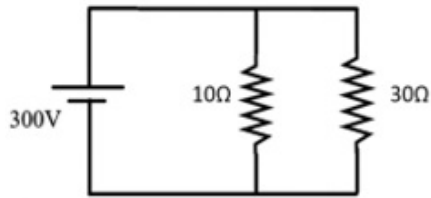
Option 4 ID : 264330619652

Status : Answered

Chosen Option : 2



Q.69 The power consumed by the  $30\ \Omega$  resistor is:



- Ans
- 1. 10 W
  - 2. 3000 W
  - 3. 300 W
  - 4. 9000 W

Question ID : 26433096421  
 Option 1 ID : 264330378423  
 Option 2 ID : 264330378424  
 Option 3 ID : 264330378421  
 Option 4 ID : 264330378422

Status : Answered  
 Chosen Option : 2

Q.70 If the synchronous speed of a motor is 1000 rpm and the rotor speed is 970 rpm, then percentage slip is \_\_\_\_\_.

- Ans
- 1. 9%
  - 2. 3%
  - 3. 7%
  - 4. 5%

Question ID : 26433099582  
 Option 1 ID : 264330390944  
 Option 2 ID : 264330390941  
 Option 3 ID : 264330390943  
 Option 4 ID : 264330390942

Status : Answered  
 Chosen Option : 2

Q.71 A switched reluctance motor can produce torque at a speed \_\_\_\_\_.

- Ans
- 1. equal to synchronous speed
  - 2. double than synchronous speed
  - 3. triple than synchronous speed
  - 4. less than synchronous speed

Question ID : 264330164869  
 Option 1 ID : 264330646605  
 Option 2 ID : 264330646603  
 Option 3 ID : 264330646604  
 Option 4 ID : 264330646606

Status : Answered  
 Chosen Option : 1

Q.72 The electrical pressure measured between any two points in an electrical circuit is called

- Ans
- 1. work done
  - 2. resistivity
  - 3. energy
  - 4. voltage

Question ID : 264330157636  
Option 1 ID : 264330617905  
Option 2 ID : 264330617906  
Option 3 ID : 264330617903  
Option 4 ID : 264330617904  
Status : Answered  
Chosen Option : 4

Q.73 Which of the following statements accurately describes voltage drop due to armature leakage reactance in an alternator on load?

- Ans
- 1. The voltage drop due to armature leakage reactance decreases with increasing load.
  - 2. The voltage drop due to armature leakage reactance increases with increasing load.
  - 3. The voltage drop due to armature leakage reactance is independent of the load.
  - 4. The voltage drop due to armature leakage reactance only occurs when the alternator is operating at no load.

Question ID : 264330164893  
Option 1 ID : 264330646699  
Option 2 ID : 264330646701  
Option 3 ID : 264330646700  
Option 4 ID : 264330646702  
Status : Answered  
Chosen Option : 4

Q.74 Consider the following statements about the working of a hysteresis motor and choose the suitable combination of correct choices.

- a. The stator of the hysteresis motor has a main winding along with an auxiliary winding.
- b. When the stator winding is fed from a single phase supply, it produces a synchronously revolving magnetic field.
- c. The rotor material has low retentivity so hysteresis loss is low.
- d. The rotor of the hysteresis motor consists of a smooth cylinder of magnetically hard steel, without winding

- Ans
- 1. Only c is correct.
  - 2. Only a, b and d are correct.
  - 3. Only d is correct.
  - 4. Only b, c and d are correct.

Question ID : 26433099541  
Option 1 ID : 264330390777  
Option 2 ID : 264330390779  
Option 3 ID : 264330390778  
Option 4 ID : 264330390780  
Status : Answered  
Chosen Option : 2

Q.75 A 2500 watts refrigerator works for 4 hours per day. Find the total unit of electricity used in 40 days.

- Ans  1. 10 units  
 2. 400 units  
 3. 40 units  
 4. 400000 units

Question ID : 26433096417  
Option 1 ID : 264330378405  
Option 2 ID : 264330378406  
Option 3 ID : 264330378408  
Option 4 ID : 264330378407  
Status : Answered  
Chosen Option : 4

Q.76 If a power station supplies 1000 MWh of electricity to its consumers for a period of two months, then the average demand during the period will be:

- Ans  1. 0.694 MW  
 2. 0.694 kW  
 3. 1.39 MW  
 4. 1.39 kW

Question ID : 264330158046  
Option 1 ID : 264330619545  
Option 2 ID : 264330619543  
Option 3 ID : 264330619546  
Option 4 ID : 264330619544  
Status : Not Answered  
Chosen Option : --

Q.77 Consider two MOSFET's A and B with the same overdrive voltage and sizes. MOSFET A is p-type MOSFET while MOSFET B is n-type MOSFET. Which of the following statements is true?

- a) MOSFET A has a higher transconductance  
b) MOSFET B has a higher transconductance  
c) MOSFET A and B have same transconductance due to same dimensions  
d) MOSFET A has a higher transconductance due to less mobility

- Ans  1. Only B  
 2. Only A and D  
 3. Only A  
 4. Only C

Question ID : 264330159780  
Option 1 ID : 264330626468  
Option 2 ID : 264330626470  
Option 3 ID : 264330626467  
Option 4 ID : 264330626469  
Status : Not Answered  
Chosen Option : --

Q.78 For providing controlling torque to a horizontally mounted MI instrument, which of the following methods is used?

- Ans  1. Spring control  
 2. Electrostatic field  
 3. Water control  
 4. Eddy current

Question ID : 264330162663  
Option 1 ID : 264330637973  
Option 2 ID : 264330637974  
Option 3 ID : 264330637972  
Option 4 ID : 264330637971  
Status : Answered  
Chosen Option : 1

Q.79 Which of the following should NOT be prioritised when making a comparison statement for the tender evaluation sheet/format?

- Ans  1. Supplier's name  
 2. Confidence that faulty goods will be replaced  
 3. Conditions of supply  
 4. Cost of packaging and shipping

Question ID : 264330158157  
Option 1 ID : 264330619988  
Option 2 ID : 264330619987  
Option 3 ID : 264330619989  
Option 4 ID : 264330619990  
Status : Not Answered  
Chosen Option : --

Q.80 A supply of 200 V can be obtained from a source of 600 V by means of a two-winding transformer or an auto transformer. The ratio of weights of conductor material in the auto transformer with respect to the two-winding transformer is \_\_\_\_\_.

- Ans  1. 1.5 : 1  
 2. 2 : 1  
 3. 1 : 2  
 4. 1 : 1.5

Question ID : 264330100794  
Option 1 ID : 264330395723  
Option 2 ID : 264330395722  
Option 3 ID : 264330395721  
Option 4 ID : 264330395724  
Status : Answered  
Chosen Option : 4

Q.81 The advantage of the stationary armature of a synchronous machine is:

- Ans
- 1. commutator is present
  - 2. stator weight is less compared to rotor weight
  - 3. perfect mechanical balance is obtained on stator winding
  - 4. stator winding voltage rating can be decreased

Question ID : 26433099513

Option 1 ID : 264330390665

Option 2 ID : 264330390667

Option 3 ID : 264330390668

Option 4 ID : 264330390666

Status : Answered

Chosen Option : 3

Q.82 Which of the following is the correct expression for eddy current ( $W_e$ ) loss if  $B_{\max}$  = Maximum flux density,  $f$  = Frequency of magnetic reversal,  $t$  = Thickness of each lamination and  $V$  = Volume of the armature core?

- Ans
- 1.  $W_e = kB_{\max}^2 f^2 t^2 V$  watts
  - 2.  $W_e = kB_{\max}^2 f^2 t V^2$  watts
  - 3.  $W_e = kB_{\max}^2 f t^2 V^2$  watts
  - 4.  $W_e = kB_{\max}^2 f^2 t^2 V^2$  watts

Question ID : 264330163301

Option 1 ID : 264330640506

Option 2 ID : 264330640505

Option 3 ID : 264330640503

Option 4 ID : 264330640504

Status : Answered

Chosen Option : 1

Q.83 The standard percentage of the tender amount for the security deposit is \_\_\_\_.

- Ans
- 1. 5
  - 2. 10
  - 3. 2.5
  - 4. 2

Question ID : 264330158173

Option 1 ID : 264330620053

Option 2 ID : 264330620054

Option 3 ID : 264330620052

Option 4 ID : 264330620051

Status : Not Answered

Chosen Option : --

Q.84 A permanent magnetic material has \_\_\_\_\_ retentivity.

- Ans  1. constant  
 2. low  
 3. zero  
 4. high

Question ID : 26433096919  
Option 1 ID : 264330380416  
Option 2 ID : 264330380414  
Option 3 ID : 264330380415  
Option 4 ID : 264330380413  
Status : Answered  
Chosen Option : 2

Q.85 The ability of a capacitor to store charge does NOT depend on the \_\_\_\_\_.

- Ans  1. nature of the insulating material  
 2. amount of charge  
 3. distance between the plates  
 4. areas of the plates

Question ID : 264330157643  
Option 1 ID : 264330617934  
Option 2 ID : 264330617933  
Option 3 ID : 264330617932  
Option 4 ID : 264330617931  
Status : Answered  
Chosen Option : 2

Q.86 In a capacitor-start capacitor-run induction motor, under standstill condition forward and backward voltages are \_\_\_\_\_.

- Ans  1. equal in magnitude  
 2. unequal in magnitude  
 3. zero  
 4. infinite

Question ID : 26433099591  
Option 1 ID : 264330390977  
Option 2 ID : 264330390979  
Option 3 ID : 264330390978  
Option 4 ID : 264330390980  
Status : Answered  
Chosen Option : 3

Q.87 For an ideal short transmission line with zero voltage regulation, if receiving end voltage is 150 kV, then the sending end voltage will be:

- Ans
- 1. 125 kV
  - 2. 200 kV
  - 3. 150 kV
  - 4. 300 kV

Question ID : 264330158089  
Option 1 ID : 264330619716  
Option 2 ID : 264330619718  
Option 3 ID : 264330619715  
Option 4 ID : 264330619717  
Status : Answered  
Chosen Option : 3

Q.88 The change in current through a junction diode is 1.5 mA when the forward bias voltage is changed by 0.6 V. The dynamic resistance is \_\_\_\_\_.

- Ans
- 1. 400  $\Omega$
  - 2. 500  $\Omega$
  - 3. 600  $\Omega$
  - 4. 300  $\Omega$

Question ID : 264330162826  
Option 1 ID : 264330638620  
Option 2 ID : 264330638621  
Option 3 ID : 264330638622  
Option 4 ID : 264330638619  
Status : Not Answered  
Chosen Option : --

Q.89 Which law gives the direction of induced EMF?

- Ans
- 1. Lenz's law
  - 2. Gauss's law
  - 3. Newton's law
  - 4. Maxwell's law

Question ID : 264330160222  
Option 1 ID : 264330628227  
Option 2 ID : 264330628229  
Option 3 ID : 264330628228  
Option 4 ID : 264330628230  
Status : Answered  
Chosen Option : 1

Q.90 A voltage of  $230\angle 60^\circ$  is applied to a current offering an impedance of  $10 + j10 \Omega$ . Find the expression for the current flowing through the circuit in polar form.

- Ans
- 1.  $16.3\angle 15^\circ$  lagging
  - 2.  $23\angle 45^\circ$  leading
  - 3.  $23\angle 45^\circ$  lagging
  - 4.  $16.3\angle 15^\circ$  leading

Question ID : 26433098282  
Option 1 ID : 264330385782  
Option 2 ID : 264330385781  
Option 3 ID : 264330385783  
Option 4 ID : 264330385784  
Status : Not Answered  
Chosen Option : --

Q.91 In the context of electromagnetic induction, if the magnetic fluxes of two coils oppose each other, then the connection is called \_\_\_\_\_.

- Ans
- 1. self-opposing
  - 2. series opposing
  - 3. parallel opposing
  - 4. mutually opposing

Question ID : 264330157620  
Option 1 ID : 264330617842  
Option 2 ID : 264330617839  
Option 3 ID : 264330617840  
Option 4 ID : 264330617841  
Status : Answered  
Chosen Option : 2

Q.92 Which of the following is NOT a type of tender, depending on the type of contract?

- Ans
- 1. Item rate tender
  - 2. Selected tender
  - 3. Percentage rate tender
  - 4. Lum-sum tender

Question ID : 264330158168  
Option 1 ID : 264330620032  
Option 2 ID : 264330620034  
Option 3 ID : 264330620033  
Option 4 ID : 264330620031  
Status : Not Answered  
Chosen Option : --



Q.93 The wavelength of a sodium vapour lamp is \_\_\_\_\_.

- Ans
- 1. 254 nm
  - 2. 673 nm
  - 3. 326 nm
  - 4. 589 nm

Question ID : 26433098205

Option 1 ID : 264330385473

Option 2 ID : 264330385476

Option 3 ID : 264330385474

Option 4 ID : 264330385475

Status : Not Answered

Chosen Option : --

Q.94 In BJT, for common emitter configuration, the input characteristics are represented by a plot between which of the following parameters?

- Ans
- 1.  $V_{BE}$  and  $I_E$
  - 2.  $V_{EE}$  and  $I_B$
  - 3.  $V_{BE}$  and  $I_B$
  - 4.  $V_{CE}$  and  $I_C$

Question ID : 264330159772

Option 1 ID : 264330626435

Option 2 ID : 264330626438

Option 3 ID : 264330626436

Option 4 ID : 264330626437

Status : Answered

Chosen Option : 1

Q.95 Which expression is right about EMF equation of a transformer if  $f$  = frequency,

$N_1$  = number of turns in primary,  $\varphi_m$  = maximum flux in a core,  $A$  = iron area,

$B_m$  = maximum flux density?

- Ans
- 1.  $E = 4.44fN_1\varphi_m A$
  - 2.  $E = 4fN_1\varphi_m A$
  - 3.  $E = 4.44fN_1B_m$
  - 4.  $E = 4.44fN_1\varphi_m$

Question ID : 264330162917

Option 1 ID : 264330638983

Option 2 ID : 264330638986

Option 3 ID : 264330638985

Option 4 ID : 264330638984

Status : Answered

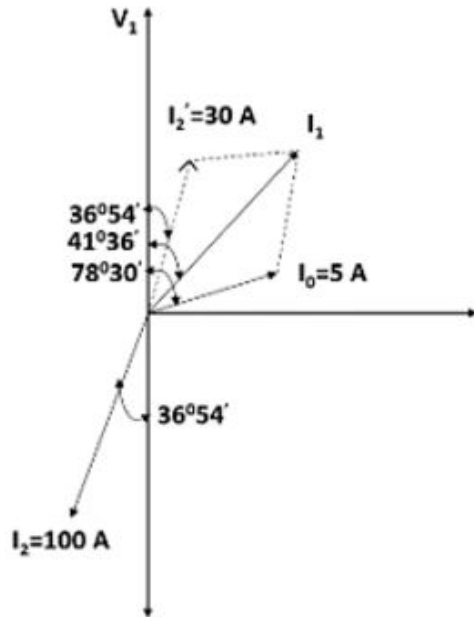
Chosen Option : 4

Q.96 Find the electrical energy consumed in  $10\Omega$  resistance when  $100\text{ mA}$  current flows for 2 minutes.

- Ans
- 1.  $1200\text{ J}$
  - 2.  $100\text{ J}$
  - 3.  $120\text{ J}$
  - 4.  $12\text{ J}$

Question ID : 264330160219  
 Option 1 ID : 264330628215  
 Option 2 ID : 264330628217  
 Option 3 ID : 264330628216  
 Option 4 ID : 264330628218  
 Status : Answered  
 Chosen Option : 4

Q.97 Find the estimated current taken by the primary side if a single-phase transformer with a voltage ratio of  $440/110\text{ V}$  takes a no-load current of  $5\text{ A}$  at  $0.2$  power factor lagging and the secondary supplies a current of  $120\text{ A}$  at a power factor of  $0.8$  lagging. Given that  $\cos(41^\circ 36') = 0.748$ .



- Ans
- 1.  $\sqrt{1140.4}\text{ A}$
  - 2.  $\sqrt{1149.4}\text{ A}$
  - 3.  $\sqrt{1178}\text{ A}$
  - 4.  $30\text{ A}$

Question ID : 264330162910  
 Option 1 ID : 264330638956  
 Option 2 ID : 264330638955  
 Option 3 ID : 264330638958  
 Option 4 ID : 264330638957  
 Status : Not Answered  
 Chosen Option : --

Q.98 In an electrical signal waveform, if each value on the curve is proportional to sine of the angle of rotation of the coil, then such a wave is called \_\_\_\_\_.

- Ans
- 1. ramp wave
  - 2. sine wave
  - 3. triangular wave
  - 4. square wave

Question ID : 264330157632

Option 1 ID : 264330617890

Option 2 ID : 264330617888

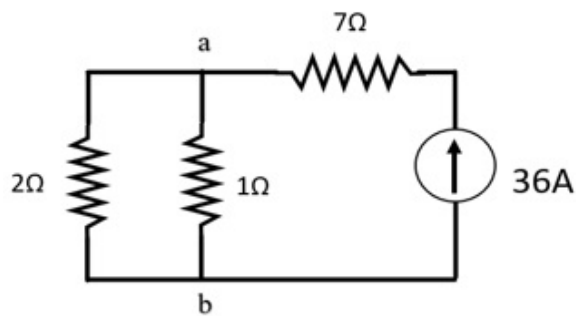
Option 3 ID : 264330617887

Option 4 ID : 264330617889

Status : Answered

Chosen Option : 2

Q.99 The current through the  $2\Omega$  resistor is:



- Ans
- 1. 12A from a to b
  - 2. 25A from b to a
  - 3. 10A from b to a
  - 4. 1A from a to b

Question ID : 26433096449

Option 1 ID : 264330378535

Option 2 ID : 264330378534

Option 3 ID : 264330378536

Option 4 ID : 264330378533

Status : Not Answered

Chosen Option : --

Q.100 The phasing out test on a three-phase transformer is carried out to find \_\_\_\_\_.

- Ans
- 1. primary winding belonging to the same phase
  - 2. primary and secondary windings belonging to a different phase
  - 3. secondary winding belonging to a different phase
  - 4. primary and secondary windings belonging to the same phase

Question ID : 264330100798

Option 1 ID : 264330395738

Option 2 ID : 264330395740

Option 3 ID : 264330395739

Option 4 ID : 264330395737

Status : Not Answered

Chosen Option : --

SSC JE 2023 Oct 10 Shift 2 Electrical Question Paper with Answers

Section : General Intelligence and Reasoning

Q.1 Select the option that is related to the fourth term in the same way as the first term is related to the second term and the fifth term is related to the sixth term?

7 : 18 :: ? : 30 :: 10 : 24

- Ans  1. 13  
 2. 10  
 3. 28  
 4. 18

Question ID : 264330144455  
 Option 1 ID : 264330566078  
 Option 2 ID : 264330566076  
 Option 3 ID : 264330566077  
 Option 4 ID : 264330566075

Select the correct mirror image of the given combination when the mirror is placed at 'PQ' as shown. Status : Answered

PYETAU |  
 P  
 q

Chosen Option : 1

Q.2

- Ans
1. PYETAU
  2. UATEYB
  3. UATEYB
  4. UATEYB

Question ID : 26433056837  
 Option 1 ID : 264330222335  
 Option 2 ID : 264330222333  
 Option 3 ID : 264330222332  
 Option 4 ID : 264330222334

Status : Answered

Chosen Option : 2

Q.3 उस वक प का चयन क जए जो तीसरे श द से उसी कार संबं धत है जस कार सरा श द पहले श द से संबं धत है (श द को अथप ूण हद श द के प म माना जाना चा हए और श द म अ र/ ंजन/ वर कसं या के आधार पर एक सरे से संबं धत नह कया जाना चा हए)  
लकड़ी: न काशी :: मृ का: \_\_\_\_\_

- Ans  1. मृदा  
 2. ढालना  
 3. क चड़  
 4. धूल

Question ID : 26433078835  
Option 1 ID : 264330309355  
Option 2 ID : 264330309354  
Option 3 ID : 264330309352  
Option 4 ID : 264330309353

Status : Answered

Chosen Option : 1

Q.4 उस वक प का चयन क जए जो तीसरे श द से उसी कार संबं धत है, जस कार सरा श द पहले श द से संबं धत है। (श द को अथपूण श द के प म माना जाना चा हए, और श द म अ र क सं या / ंजन/ वर क सं या के आधार पर एक सरे से संबं धत नह होना चा हए।)

झुंड (Flock) : अनेक (Many) :: एकांत (Solitary) : ?

- Ans  1. अके ला (Alone)  
 2. अं तम (Last)  
 3. खुश (Happy)  
 4. गुम (Lost)

Question ID : 264330144589  
Option 1 ID : 264330566611  
Option 2 ID : 264330566614  
Option 3 ID : 264330566613  
Option 4 ID : 264330566612

Status : Answered

Chosen Option : 4

Q.5 Select the option that is related to the fifth term in the same way as the second term is related to the first term and the fourth term is related to the third term.  
9 : 99 :: 12 : 168 :: 15 : ?

- Ans  1. 205  
 2. 255  
 3. 250  
 4. 225

Question ID : 264330122551  
Option 1 ID : 264330480327  
Option 2 ID : 264330480329  
Option 3 ID : 264330480330  
Option 4 ID : 264330480328

Status : Answered

Chosen Option : 2

Q.6 उस वक पका चयन कर जसम द गई आकृ तस हत है (घषू न क अनुम त नह है) ।



Ans

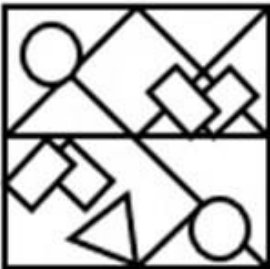
✓ 1.



✗ 2.



✗ 3.



✗ 4.



Question ID : 264330129545

Option 1 ID : 264330507549

Option 2 ID : 264330507548

Option 3 ID : 264330507546

Option 4 ID : 264330507547

Status : Answered

Chosen Option : 2

Q.7 उस समुच्चय का चयन क जे जसम सं याएँ उसी कार संबं धत ह जस कार न न ल खत समुच्चय क सं याएँ एक- सरे से सबंधत ह ।

(नोट: सं या को उसके घटक अंक म वभाजत कए बना, पूण सं या पर सं या क जानी चा हए। उदाहरण के लए 13 - सं या जैसे के जोड़ना/घटाना/गुणा करना आ दको 13 पर कया जा सकता है। 13 को 1 और 3 म तोड़कर और फर 1 और 3 पर गणतीय सं याएँ करने क अनुमत नह है)

(5, 9, 27)

(9, 15, 47)

- Ans  1. (13, 7, 38)  
 2. (6, 11, 35)  
 3. (14, 9, 54)  
 4. (18, 5, 45)

Question ID : 264330144426

Option 1 ID : 264330565960

Option 2 ID : 264330565959

Option 3 ID : 264330565962

Option 4 ID : 264330565961

Status : Answered

Chosen Option : 2

Q.8 छह म एक वृत्तकार तम बैठे एह। वे सभी क ओर अ भमुख ह। पलक, कु मुद के ठ क बगल म है। झलक, महक के बाएं तीसरे ान पर बैठ है। राहत, झलक के दा ओर चौथे ान पर बैठ है। कु मुद, चहक के दा ओर सरे ान पर बैठ है।

महक के बा ओर ठ क बगल म कौन बैठा है?

- Ans  1. पलक  
 2. कु मुद  
 3. चहक  
 4. राहत

Question ID : 264330144637

Option 1 ID : 264330566806

Option 2 ID : 264330566805

Option 3 ID : 264330566804

Option 4 ID : 264330566803

Status : Answered

Chosen Option : 2

Q.9 एक न त कूट भाषा म , "BORDER" को ESUHHV और "GLOBAL" को JPRFDP के प म कू टब कया जाता है। उसी भाषा म "LATEST" को कस कार कू टब कया जाएगा?

- Ans  1. PEWIUW  
 2. PEWJVX  
 3. OEXJWY  
 4. OEWIVX

Question ID : 264330133210

Option 1 ID : 264330521889

Option 2 ID : 264330521890

Option 3 ID : 264330521887

Option 4 ID : 264330521888

Status : Answered

Chosen Option : 4

Q.10 If '+' means '-', '-' means 'x', 'x' means '÷', '÷' means '+', then what will be the correct answer of the following relation?

$$(6 - 20 \div 24) \times 8 + 6 = ?$$

- Ans
- 1. 15
  - 2. 16
  - 3. 17
  - 4. 12

Question ID : 264330130216

Option 1 ID : 264330509976

Option 2 ID : 264330509977

Option 3 ID : 264330509978

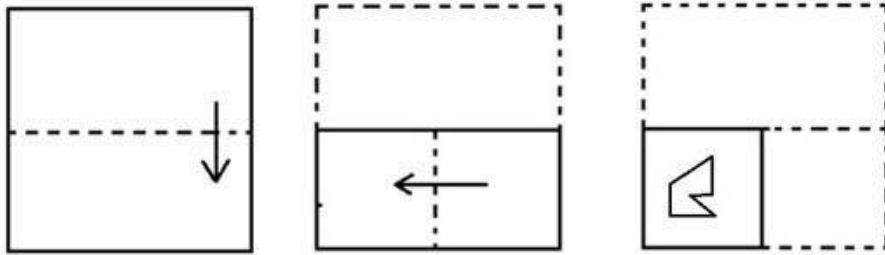
Option 4 ID : 264330509975

Status : Answered

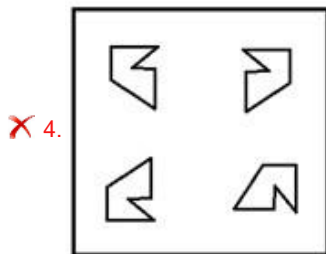
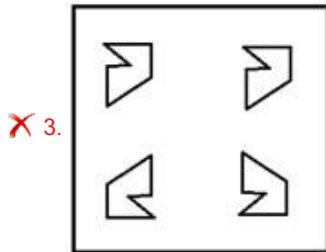
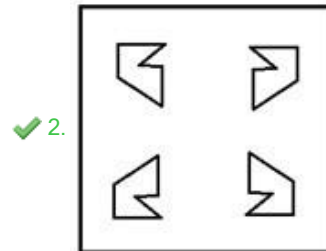
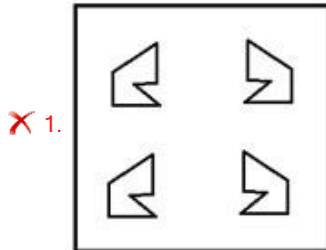
Chosen Option : 4



Q.11 The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown below. Choose a figure which would most closely resemble the unfolded form of the paper.



Ans



Question ID : 264330103215  
 Option 1 ID : 264330405166  
 Option 2 ID : 264330405168  
 Option 3 ID : 264330405165  
 Option 4 ID : 264330405167  
 Status : Answered  
 Chosen Option : 2

Q.12 Which two signs should be interchanged to make the given equation correct?

$$167 + 85 - 5 \times 4 + 36 = 199$$

- Ans
- 1. - and  $\times$
  - 2. + and -
  - 3. + and  $\times$
  - 4.  $\times$  and +

Question ID : 264330129532

Option 1 ID : 264330507497

Option 2 ID : 264330507494

Option 3 ID : 264330507495

Option 4 ID : 264330507496

Status : Answered

Chosen Option : 2

Q.13 Select the option that represents the correct order of the given words as they would appear in an English dictionary.

1. Opaque
2. Omission
3. Once
4. Onward
5. Omnipotence

- Ans
- 1. 2, 5, 4, 3, 1
  - 2. 2, 5, 3, 1, 4
  - 3. 2, 3, 5, 4, 1
  - 4. 2, 5, 3, 4, 1

Question ID : 264330129554

Option 1 ID : 264330507584

Option 2 ID : 264330507585

Option 3 ID : 264330507583

Option 4 ID : 264330507582

Status : Answered

Chosen Option : 4

Q.14 Select the number from among the given options that can replace the question mark (?) in the following series.

4, 17, 39, 69, 117, 181, ?, 387

- Ans
- 1. 222
  - 2. 227
  - 3. 277
  - 4. 272

Question ID : 26433079007

Option 1 ID : 264330310035

Option 2 ID : 264330310032

Option 3 ID : 264330310034

Option 4 ID : 264330310033

Status : Answered

Chosen Option : 3

Q.15 वामाी, लव, अ खल, अ ण, शुभ , ववके और ान, ये सात म ह। इनम से येके क आयु अलग-अलग है। अ खल के वल दो लोग से बड़ा है। लव, वामाी से बड़ा है। ववके के वल तीन लोग से बड़ा है। वामाी के वल दो लोग से छोटा है। ान न तो सबसे बड़ा है और न ही सबसे छोटा। लव, ववके से बड़ा है ले कन शुभ से बड़ा नहै। सबसे छोटा कौन है?

- Ans
- 1. अ खल
  - 2. शुभ
  - 3. ान
  - 4. अ ण

Question ID : 26433069525

Option 1 ID : 264330272614

Option 2 ID : 264330272613

Option 3 ID : 264330272615

Option 4 ID : 264330272612

Status : Answered

Chosen Option : 4

Q.16 Select the option that represents the letters that, when placed from left to right in the blanks below, will complete the letter series.

\_ A \_ D \_ A D A A \_ A A D \_ A

- Ans
- 1. D A D A A
  - 2. A D D A D
  - 3. D A A D A
  - 4. A D A A D

Question ID : 264330144617

Option 1 ID : 264330566724

Option 2 ID : 264330566723

Option 3 ID : 264330566726

Option 4 ID : 264330566725

Status : Answered

Chosen Option : 3

Q.17 Select the option that represents the letters which, when sequentially placed from left to right in the blanks below, will complete the letter series

Q \_ R \_ \_ \_ U R \_ A \_ \_ R L A

- Ans
- 1. U L A Q L Q U
  - 2. Q L U Q L A U
  - 3. R A L Q L A Q
  - 4. A L Q U Q L U

Question ID : 26433086960

Option 1 ID : 264330341482

Option 2 ID : 264330341484

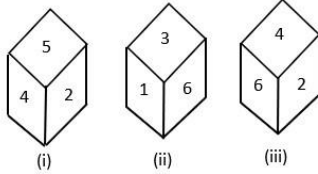
Option 3 ID : 264330341481

Option 4 ID : 264330341483

Status : Answered

Chosen Option : 1

Q.18 Three different positions of the same dice are shown. Find the number on the face opposite the face showing '6'



- Ans
- 1. 2
  - 2. 4
  - 3. 3
  - 4. 5

Question ID : 26433085388

Option 1 ID : 264330335256

Option 2 ID : 264330335255

Option 3 ID : 264330335254

Option 4 ID : 264330335253

Status : Answered

Chosen Option : 4

Q.19 Which letter-cluster will replace the question mark (?) to complete the given series?

PJVG, VBZB, BTDW, HLHR, ?

- Ans
- 1. MDLM
  - 2. NDLN
  - 3. NDLM
  - 4. MDLN

Question ID : 264330144622

Option 1 ID : 264330566744

Option 2 ID : 264330566745

Option 3 ID : 264330566746

Option 4 ID : 264330566743

Status : Answered

Chosen Option : 3

Q.20 Select the correct combination of mathematical signs to sequentially replace the \* signs and balance the given equation.

$$15 * 4 * 5 * 2 * 10 = 20$$

- Ans
- 1. + × -
  - 2. × ÷ -
  - 3. + - ÷ ×
  - 4. + + × ×

Question ID : 26433068592

Option 1 ID : 264330268881

Option 2 ID : 264330268880

Option 3 ID : 264330268882

Option 4 ID : 264330268883

Status : Answered

Chosen Option : 2

Q.21 Select the correct combination of mathematical signs to replace "%" which balances the following equation.

$$64 \% 8 \% 3 \% 6 \% 4 \% 8 \% 2$$

Ans  1.  $\div, \times, +, =, \times, -$

2.  $+, \times, =, -, \div, +$

3.  $\div, \times, +, =, -, +$

4.  $\times, \div, =, -, +, \times$

Question ID : 264330129647

Option 1 ID : 264330507956

Option 2 ID : 264330507954

Option 3 ID : 264330507957

Option 4 ID : 264330507955

Status : Answered

Chosen Option : 1

Q.22 Three statements are given followed by three conclusions numbered I, II and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:

All goods are services.

Some services are applications.

All applications are forms.

Conclusions:

I. All goods can never be applications.

II. At least some services are forms.

III. No good is a form.

Ans  1. Only I

follows

2. Only II follows

3. Only II and III follow

4. None follows

Question ID : 264330144509

Option 1 ID : 264330566291

Option 2 ID : 264330566294

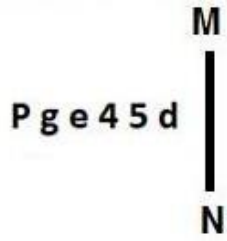
Option 3 ID : 264330566292

Option 4 ID : 264330566293

Status : Answered

Chosen Option : 3

Q.23 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.



- Ans
1. **b ɹ ʌ ɐ ɹ ɹ**
  2. **p ɹ ɹ ɹ ɹ ɹ**
  3. **p ɹ ɹ ɹ ɹ ɹ**
  4. **p ɹ ɹ ɹ ɹ ɹ**

Question ID : 26433056968  
 Option 1 ID : 264330222857  
 Option 2 ID : 264330222858  
 Option 3 ID : 264330222859  
 Option 4 ID : 264330222856  
 Status : Answered  
 Chosen Option : 1

Q.24 Select the option that represents the letters that, when sequentially placed from left to right in the blanks below, will complete the letter series.  
 Z\_\_MI\_CB\_I ZC\_M\_ZC\_\_I

- Ans
1. ~~CBZBIMBM~~
  2. **CBZMBIBM**
  3. ~~CBZIBMIM~~
  4. ~~CBZBMIBM~~

Question ID : 26433068919  
 Option 1 ID : 264330270190  
 Option 2 ID : 264330270188  
 Option 3 ID : 264330270191  
 Option 4 ID : 264330270189  
 Status : Answered  
 Chosen Option : 2

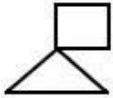
Q.25 रवीना अपने घर से निकलती है और 55 m पूर्व की ओर चलती है। फिर वह दाएं मुड़ती है और 24 m चलती है। वह फिर से दाएं मुड़ती है और 68 m चलती है। अंततः वह बाएं मुड़ती है, और 16 m चलती है। वह उस खंभे से कतनी र है, जो उसके घर से ठीक 40 m दूरी पर है? (मान ली जाए कि सभी मोड़ों के कोण 90° वाले मोड़ हैं।)

- Ans
- 1. 33 m
  - 2. 13 m
  - 3. 27 m
  - 4. 44 m

Question ID : 264330131618  
 Option 1 ID : 264330515572  
 Option 2 ID : 264330515571  
 Option 3 ID : 264330515574  
 Option 4 ID : 264330515573  
 Status : Answered

Chosen Option : 2

Q.26 Select the option in which the given figure is embedded (rotation is NOT allowed).



Ans

- 1.
- 2.
- 3.
- 4.

Question ID : 264330129539  
 Option 1 ID : 264330507525  
 Option 2 ID : 264330507523  
 Option 3 ID : 264330507522  
 Option 4 ID : 264330507524  
 Status : Answered

Chosen Option : 3

Q.27 In a certain code language, 'SMOKE ' is coded as 25 and 'BROWSER' is coded as 49. How will 'ADULTHOOD' be coded in that language?

- Ans
- 1. 78
  - 2. 64
  - 3. 100
  - 4. 81

Question ID : 264330133207

Option 1 ID : 264330521876

Option 2 ID : 264330521878

Option 3 ID : 264330521877

Option 4 ID : 264330521875

Status : Answered

Chosen Option : 3

Q.28 उस वक प का चयन कर, जो तीसरे श द से उसी कार संबं धत है, जस कार सरा श द पहले श द से संबं धत है। (श द को साथ क श द के प म माना जाना चा हए, और श द, उनम अ र क सं या/ ंजन/ वर क सं या के आधार पर एक सरे से संबं धत नह होना चा हए)

वचार (Idea) : याल (Notion) :: र (Vacant) : ?

- Ans
- 1. पूण (Full)
  - 2. खाली (Empty)
  - 3. सम् (Enriched)
  - 4. अप यी (Squander)

Question ID : 264330144536

Option 1 ID : 264330566402

Option 2 ID : 264330566400

Option 3 ID : 264330566401

Option 4 ID : 264330566399

Status : Answered

Chosen Option : 2

Q.29 उस श द यु म का चयन क जए, जसम दए गए दोन श द एक सरे से उसी तरह से संबं धत ह , जस तरह दू गए यु म के दोन श द एक सरे से संबं धत ह । (श द पर साथ क श द के प म वचार कया जाना चा हए, और वे श द, श द म अ र/ ंजन/ वर क सं या के आधार पर एक सरे से संबं धत नह होने चा हए।) पंखा : हवा

- Ans
- 1. टोव : आग
  - 2. भोजन : भूख
  - 3. कांच : कटोरा
  - 4. बोतल : पानी

Question ID : 264330117400

Option 1 ID : 264330461642

Option 2 ID : 264330461644

Option 3 ID : 264330461641

Option 4 ID : 264330461643

Status : Answered

Chosen Option : 1



Q.30 Select the option that represents the correct order of the given words as they would appear in an English dictionary.

1. Kindle
2. Knob
3. Kite
4. Knife
5. Kindergarten

Ans  1. 5, 1, 3, 2, 4  
 2. 5, 3, 1, 4, 2  
 3. 1, 5, 3, 4, 2  
 4. 5, 1, 3, 4, 2

Question ID : 264330129551

Option 1 ID : 264330507570

Option 2 ID : 264330507571

Option 3 ID : 264330507572

Option 4 ID : 264330507573

Status : Answered

Chosen Option : 3

Q.31 उस वक प का चयन कर, जो तीसरे श द से उसी कार संबं धत है, जूस कार सरा श द पहले श द से संबं धत है। (श द को अथपूण श द के प म माना जाना चा हए, और श द म अ र क सं या/ ंजन/ वर क सं या के आधार पर एक सरे से संबं धत नह होना चा हए)

कसान (Peasant) : कु ट र (Cottage) :: भ ँ उ (Monk) : ?

Ans  1. साधुनी (Nun)  
 2. धा मक (Religious)  
 3. मठ (Monastery)  
 4. महल (Palace)

Question ID : 264330144529

Option 1 ID : 264330566371

Option 2 ID : 264330566373

Option 3 ID : 264330566372

Option 4 ID : 264330566374

Status : Answered

Chosen Option : 3

Q.32 'Q + R' means 'Q is the husband of R',  
 'Q - R' means 'Q is the father of R',  
 'Q \* R' means 'Q is the mother of R', and  
 'Q @ R' means 'Q is the daughter of R'.  
 If M + V @ P - U, how is M related to U?

Ans  1. Brother  
 2. Father  
 3. Fathers brother  
 4. Sisters husband

Question ID : 264330131399

Option 1 ID : 264330514710

Option 2 ID : 264330514708

Option 3 ID : 264330514709

Option 4 ID : 264330514707

Status : Answered

Chosen Option : 4

Q.33 Select the figure from the options that can replace the question mark (?) and complete the given pattern.



Ans

- 1.
- 2.
- 3.
- 4.

Question ID : 26433074804  
Option 1 ID : 264330293306  
Option 2 ID : 264330293307  
Option 3 ID : 264330293305  
Option 4 ID : 264330293304

Status : Answered  
Chosen Option : 3

Q.34 R, P का पु है। Q, N क माता है। M, N का पत है। M, R क बहन का पत है। यदि O, N का पु है, तो P का O से या संबंध है?

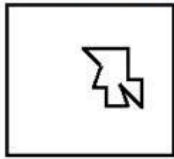
Ans

- 1. नाना
- 2. पौ
- 3. चाचा/ताऊ
- 4. दादा

Question ID : 26433099143  
Option 1 ID : 264330389185  
Option 2 ID : 264330389186  
Option 3 ID : 264330389187  
Option 4 ID : 264330389188

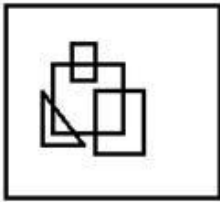
Status : Answered  
Chosen Option : 1

Q.35 Select the option in which the given figure is embedded (rotation is NOT allowed).

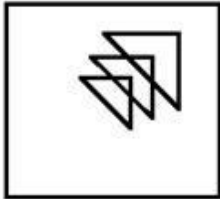


Ans

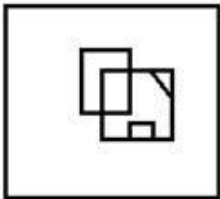
✗ 1.



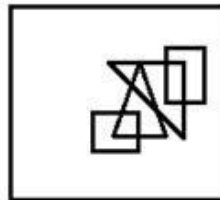
✗ 2.



✗ 3.



✓ 4.



Question ID : 26433068179

Option 1 ID : 264330267229

Option 2 ID : 264330267228

Option 3 ID : 264330267231

Option 4 ID : 264330267230

Status : Answered

Chosen Option : 3

Q.36 Which of the following numbers will replace the question mark (?) in the given series?

11, 75, 131, 179, 219, ?

Ans ✗ 1. 243

✓ 2. 251

✗ 3. 237

✗ 4. 233

Question ID : 26433091721

Option 1 ID : 264330360251

Option 2 ID : 264330360250

Option 3 ID : 264330360252

Option 4 ID : 264330360249

Status : Answered

Chosen Option : 3

Q.37 Arrange the following words in a logical and meaningful order.

1. millimetre
2. inch
3. centimetre
4. foot
5. metre

Ans  1. 1, 3, 2, 4, 5

2. 1, 4, 5, 2, 3

3. 3, 2, 4, 1, 5

4. 3, 1, 2, 4, 5

Question ID : 26433076674

Option 1 ID : 264330300760

Option 2 ID : 264330300761

Option 3 ID : 264330300763

Option 4 ID : 264330300762

Status : Answered

Chosen Option : 1

Q.38 Which letter-cluster will replace the question mark (?) to complete the given series?

GZIM, HBFI, ?, JFZA, KHWW

Ans  1. IKBW

2. IRTY

3. ICTZ

4. IDCE

Question ID : 264330144501

Option 1 ID : 264330566259

Option 2 ID : 264330566261

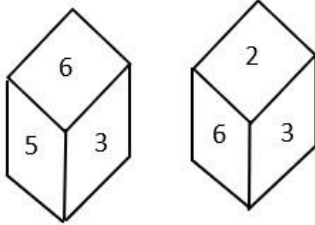
Option 3 ID : 264330566262

Option 4 ID : 264330566260

Status : Answered

Chosen Option : 4

Q.39 Two different positions of the same dice are shown. Find the number on the top if it is resting on '2'.



- Ans  1. 5  
 2. 1  
 3. 4  
 4. 3

Question ID : 26433079353

Option 1 ID : 264330311400

Option 2 ID : 264330311403

Option 3 ID : 264330311401

Option 4 ID : 264330311402

Status : Answered

Chosen Option : 1

Q.40 ब A, ब B से 26 m द णम है। ब C, ब B से 13 m पूवम है। ब C, ब D से 39 m उ रम है। ब D, ब E से 14 m प मम है। ब F, ब E से 13 m उ रम है। ब G, ब F से 40 m प मम है। ब H, ब G के उ रम है, और ब C के प मम भी है। ब H, ब F के सापे कस दशाम है?

- Ans  1. उ र  
 2. प म  
 3. उ र-प म  
 4. उ र-पूव

Question ID : 264330131632

Option 1 ID : 264330515629

Option 2 ID : 264330515630

Option 3 ID : 264330515628

Option 4 ID : 264330515627

Status : Answered

Chosen Option : 3

Q.41 Which of the following numbers will replace the question marks (?) in the given series?  
 4, 17, 34, 53, ?, 105, 136, ?

- Ans  1. 78, 177  
 2. 84, 190  
 3. 76, 173  
 4. 79, 184

Question ID : 26433096010

Option 1 ID : 264330376812

Option 2 ID : 264330376809

Option 3 ID : 264330376810

Option 4 ID : 264330376811

Status : Answered

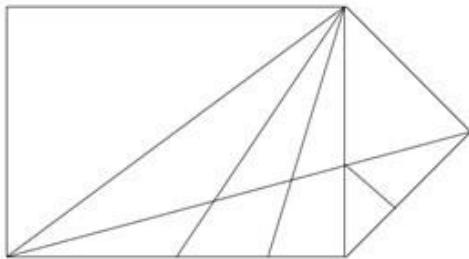
Chosen Option : 3

Q.42 In a certain code language, 'BOOTS' is coded as '64', and 'SHOES' is coded as '69'. How will 'HEELS' be coded in that language?

- Ans  1. 64  
 2. 86  
 3. 78  
 4. 74

Question ID : 264330144595  
Option 1 ID : 264330566637  
Option 2 ID : 264330566636  
Option 3 ID : 264330566635  
Option 4 ID : 264330566638  
Status : Answered  
Chosen Option : 3

Q.43 How many triangles are there in the given figure?



- Ans  1. 27  
 2. 23  
 3. 25  
 4. 24

Question ID : 26433068403  
Option 1 ID : 264330268126  
Option 2 ID : 264330268127  
Option 3 ID : 264330268124  
Option 4 ID : 264330268125  
Status : Answered  
Chosen Option : 2

Q.44 उस समुच्चय का चयन क जिए, जसम सं याएंसबं ंधतह जस कार नन ल खत समुच्चय कसं याएंसबं ंधतह ।  
(नोट: सं या को उसके घटक अंक म वभाजत कए बना, पूण सं या पर ही गुणतीय सं याएँक जानी चा हए। जैसे 13 - मान लीं जए 13 पर गणतीय सं याएँ जैसे क 13 म जोड़ना/घटाना/गुणा करना आ द कया जा सकता है। 13 को 1 और 3 म तोड़कर और फर 1 और 3 पर गणतीय सं याएँ करने क अनुमत नह है।)

(4, 13, 5)  
(2, 13, 9)

Ans  1. (5, 19, 9)

2. (5, 17, 9)

3. (5, 91, 9)

4. (5, 71, 9)

Question ID : 26433082880

Option 1 ID : 264330325356

Option 2 ID : 264330325354

Option 3 ID : 264330325353

Option 4 ID : 264330325355

Status : Answered

Chosen Option : 3

Q.45 In a certain code language, 'RIGHT' is coded as '87', and 'LEFT' is coded as '59'. How will 'CENTRE' be coded in that language?

Ans  1. 28

2. 101

3. 90

4. 110

Question ID : 264330144597

Option 1 ID : 264330566643

Option 2 ID : 264330566644

Option 3 ID : 264330566645

Option 4 ID : 264330566646

Status : Answered

Chosen Option : 3

Q.46 P, Q, R, S, T, U, V और W एक वगाकार मेज के चारो ओर क क ओर मुख करके बैठे ह । उनम से कुछ को पर बैठे ह जब क कुछ भुजा के ठ क म य म बैठे ह । P, W के बा ओर बगल म और U के दा ओर बगल म बैठा है। S, U के बा ओर बगल म और T के दा ओर बगल म बैठा है। T, R के दा ओर बगल म बैठा है। V, R और Q के बीच बैठे ा है। P के दा ओर गनती करने पर, P और Q के बीच म कौन बैठे ा है?

Ans  1. W

2. R

3. S

4. T

Question ID : 26433074620

Option 1 ID : 264330292570

Option 2 ID : 264330292571

Option 3 ID : 264330292568

Option 4 ID : 264330292569

Status : Answered

Chosen Option : 1

Q.47 उस वक प का चयन कर जो चौथी सं या से उसी कार संबं धत है जस कार से पहली सं या सरी सं यसे संबं धत है और पांचव सं या छठ सं या से संबं धत है।

12 : 156 :: ? : 240 :: 22 : 506

Ans  1. 15

2. 17

3. 14

4. 16

Question ID : 264330144435

Option 1 ID : 264330565996

Option 2 ID : 264330565998

Option 3 ID : 264330565995

Option 4 ID : 264330565997

Status : Answered

Chosen Option : 1

Q.48 उस सही वक प का चयन कर , जो न न ल खत श द के ता कक और साथक म म व ापन को इं ष्ट करता है।

1. व व
2. भारत
3. ब गलौर
4. ए शया
5. कनाटक

Ans  1. 14235

2. 35412

3. 35241

4. 21435

Question ID : 264330131041

Option 1 ID : 264330513278

Option 2 ID : 264330513275

Option 3 ID : 264330513276

Option 4 ID : 264330513277

Status : Answered

Chosen Option : 1



Q.49 दो कथन और उसके बाद। और ॥ मों कतदों न कष दए गए ह। कथन को स य मानते ए, भले ही वे सामा यतः ात त य से भ तीत होते ह , नण य ली जए क कौन-से न कष कथन का ता कक प सेपालन करते ह ?

कथन:

कु छ अपाटम ट, बंगले ह  
कु छ बंगले, लैट ह ।

न कष:

- I. कु छ अपाटम ट, लैट ह ।
- II. कु छ लैट , बंगले ह ।

- Ans  1. के वल न कष ॥ पालन करता है
2. न कष । और ॥ दोन पालन करते ह
3. न तो न कष । न ही ॥ पालन करता है
4. के वल न कष । पालन करता है

Question ID : 264330144651

Option 1 ID : 264330566860

Option 2 ID : 264330566861

Option 3 ID : 264330566862

Option 4 ID : 264330566859

Status : Answered

Chosen Option : 3

Q.50 उस श द-यु म का चयन कर , जो नीचे दए गए श द-यु म म कए गए संबंघ के समान संबंघ को सव म ढंग से न पत करता है। (श द को साथक श द माना जाना चा हए, और श द म अ र क सं या/ ंजन / वर क सं या के आधार पर श द एक- सरे से संबं धत नह होने चा हए।)  
कु कु ट (Poultry) : टक (Turkey)

- Ans  1. सेब : के ला (Apple : Banana)
2. चकन : मांस (Chicken : Meat)
3. स जी: पालक (Vegetable : Spinach)
4. पालक: हरा (Spinach : Green)

Question ID : 264330131985

Option 1 ID : 264330517038

Option 2 ID : 264330517036

Option 3 ID : 264330517035

Option 4 ID : 264330517037

Status : Answered

Chosen Option : 3

Q.1 न न ल खत म से कौन-सा उपभो ा ब पर नवल रा िय उ पाद का कु ल मू

य है Ans  1. उपादान लागत पर सकल रा िय उ पाद

2. बाजार मू य पर सकल रा िय उ पाद

3. उपादान लागत पर नवल रा िय उ पाद

4. बाजार मू य पर नवल रा िय उ पाद

Question ID : 26433065435

Option 1 ID : 264330256301

Option 2 ID : 264330256300

Option 3 ID : 264330256303

Option 4 ID : 264330256302

Status : Answered

Chosen Option : 2

Q.2 Which of the following states did NOT experience the success of the green revolution in the first phase between years mid-60s to mid-70s?

Ans  1. Punjab

2. Assam

3. Tamil Nadu

4. Andhra Pradesh

Question ID : 264330144390

Option 1 ID : 264330565815

Option 2 ID : 264330565817

Option 3 ID : 264330565818

Option 4 ID : 264330565816

Status : Answered

Chosen Option : 2

Q.3 काब नक रसायन व ान म कस गुणा मक व ध का उपयोग असंतृ त काबन-काबन आबंध परी ण के लए कया जाता है, जैसे ए क न या ए काइन, ले कन एरोमे टक काबन-काबन आबंध के लए नह ?

Ans  1. आयोडोफॉम परी ण

2. थैलीन रंजक परी ण (phthalein dye test)

3. बेयर परी ण (Bayer Test)

4. युकास परी ण

Question ID : 264330114590

Option 1 ID : 264330450446

Option 2 ID : 264330450445

Option 3 ID : 264330450448

Option 4 ID : 264330450447

Status : Answered

Chosen Option : 2

Q.4 Which organic compound is a toxic aromatic amine with the formula  $C_6H_7N$  that is mainly used to make a wide variety of products such as polyurethane foams, agricultural chemicals and synthetic dyes?

- Ans  1. Aniline  
 2. Quinoline  
 3. Naphthalene  
 4. Acridine

Question ID : 264330141682  
Option 1 ID : 264330555047  
Option 2 ID : 264330555049  
Option 3 ID : 264330555048  
Option 4 ID : 264330555050  
Status : Answered  
Chosen Option : 2

Q.5 The steppe biome is a dry, grassland habitat found on all continents EXCEPT, Australia and Antarctica. In which climate does it mainly occur?

- Ans  1. Continental climates  
 2. Alpine climates  
 3. Temperate climates  
 4. Tropical climates

Question ID : 264330113787  
Option 1 ID : 264330447236  
Option 2 ID : 264330447235  
Option 3 ID : 264330447233  
Option 4 ID : 264330447234  
Status : Answered  
Chosen Option : 2

Q.6 Which of the following is NOT a transition metal?

- Ans  1. Cu  
 2. Mg  
 3. Ni  
 4. Co

Question ID : 264330131778  
Option 1 ID : 264330516214  
Option 2 ID : 264330516213  
Option 3 ID : 264330516212  
Option 4 ID : 264330516211  
Status : Answered  
Chosen Option : 3

Q.7 On which date did the members of the Constituent Assembly append their signatures to the Constitution of India?

- Ans
- 1. 22 January 1950
  - 2. 23 January 1950
  - 3. 25 January 1950
  - 4. 24 January 1950

Question ID : 26433064702  
Option 1 ID : 264330253400  
Option 2 ID : 264330253401  
Option 3 ID : 264330253403  
Option 4 ID : 264330253402  
Status : Answered  
Chosen Option : 3

Q.8 How many pairs of gill slits are present in the members of class cyclostomata of phylum vertebrata?

- Ans
- 1. 6-15
  - 2. 7-18
  - 3. 4-11
  - 4. 5-13

Question ID : 264330113320  
Option 1 ID : 264330445367  
Option 2 ID : 264330445368  
Option 3 ID : 264330445365  
Option 4 ID : 264330445366  
Status : Answered  
Chosen Option : 3

Q.9 According to the Census of India 2011, what is the literacy rate of the state of Bihar?

- Ans
- 1. 62.4%
  - 2. 65.7%
  - 3. 63.6%
  - 4. 61.8%

Question ID : 264330119817  
Option 1 ID : 264330469544  
Option 2 ID : 264330469546  
Option 3 ID : 264330469543  
Option 4 ID : 264330469545  
Status : Answered  
Chosen Option : 3

Q.10 Which of the following factors is responsible for moderate to heavy rain in low-lying areas and heavy snow to mountainous areas of the Indian Subcontinent during winters?

- Ans
- 1. South west monsoon
  - 2. Conventional rain
  - 3. South east monsoon
  - 4. Western disturbances

Question ID : 264330131812  
Option 1 ID : 264330516347  
Option 2 ID : 264330516349  
Option 3 ID : 264330516350  
Option 4 ID : 264330516348  
Status : Answered  
Chosen Option : 3

Q.11 Which of the following is an example of the Indo-Saracenic style of architecture built in the year 1912 for the 24th ruler of the Wodeyar dynasty?

- Ans
- 1. Lalgarh Palace
  - 2. Chowmahalla Palace
  - 3. Mysore Palace
  - 4. Ujjayanta Palace

Question ID : 26433072656  
Option 1 ID : 264330284886  
Option 2 ID : 264330284885  
Option 3 ID : 264330284884  
Option 4 ID : 264330284887  
Status : Answered  
Chosen Option : 2

Q.12 According to Koeppen's Scheme, which type of climate is denoted by 'BShw' in India?

- Ans
- 1. Semi-arid steppe climate
  - 2. Hot Desert
  - 3. Polar type
  - 4. Monsoon with dry summer

Question ID : 264330132722  
Option 1 ID : 264330519984  
Option 2 ID : 264330519985  
Option 3 ID : 264330519986  
Option 4 ID : 264330519983  
Status : Answered  
Chosen Option : 2

Q.13 Up to which financial year has the Start-Ups Intellectual Property Protection Scheme, launched in 2016 by the Ministry of Commerce and Industry been extended?

- Ans  1. FY 2023  
 2. FY 2024  
 3. FY 2026  
 4. FY 2027

Question ID : 264330156912  
Option 1 ID : 264330615025  
Option 2 ID : 264330615023  
Option 3 ID : 264330615024  
Option 4 ID : 264330615026  
Status : Answered  
Chosen Option : 2

Q.14 During which census enumeration did the Registrar General of India provide for the first time three codes for enumeration i.e., Male-1, Female-2 and Others-3?

- Ans  1. 1981  
 2. 1991  
 3. 2001  
 4. 2011

Question ID : 264330111345  
Option 1 ID : 264330437468  
Option 2 ID : 264330437467  
Option 3 ID : 264330437465  
Option 4 ID : 264330437466  
Status : Answered  
Chosen Option : 2

Q.15 Which country is associated with the 'Navam Perahera' festival?

- Ans  1. Bangladesh  
 2. Sri Lanka  
 3. Bhutan  
 4. Nepal

Question ID : 264330113304  
Option 1 ID : 264330445304  
Option 2 ID : 264330445301  
Option 3 ID : 264330445302  
Option 4 ID : 264330445303  
Status : Answered  
Chosen Option : 2

Q.16 Who among the following launched the Ombudsperson App for the Mahatma Gandhi National Rural Employment Guarantee Act in February 2022?

- Ans
- 1. Giriraj Singh
  - 2. Parshottam Rupala
  - 3. Piyush Goyal
  - 4. Sarbananda Sonowal

Question ID : 26433090634  
Option 1 ID : 264330355960  
Option 2 ID : 264330355957  
Option 3 ID : 264330355959  
Option 4 ID : 264330355958  
Status : Answered  
Chosen Option : 3

Q.17 According to the Census of India 2011, which of the following states has the highest Hindu population percentage of total population?

- Ans
- 1. Uttar Pradesh
  - 2. Haryana
  - 3. Himachal Pradesh
  - 4. Madhya Pradesh

Question ID : 264330157088  
Option 1 ID : 264330615724  
Option 2 ID : 264330615725  
Option 3 ID : 264330615723  
Option 4 ID : 264330615726  
Status : Answered  
Chosen Option : 3

Q.18 Sangeet Natak Akademi, the National Academy of Music, Dance and Drama in the meeting of its General Council held in November 2022 in New Delhi awarded the Ustad Bismillah Khan Yuva Puraskar 2021 in the field of Hindustani vocal music to \_\_\_\_\_.

- Ans
- 1. Rudra Shankar Mishra
  - 2. Kalamandalam Adithyan
  - 3. Pavitra Krishna Bhat
  - 4. Janki Mithaiwala

Question ID : 264330137256  
Option 1 ID : 264330537653  
Option 2 ID : 264330537654  
Option 3 ID : 264330537652  
Option 4 ID : 264330537651  
Status : Answered  
Chosen Option : 3

Q.19 To which of the following gharanas of music does tabla maestro Zakir Hussain belong?

- Ans
- 1. Farrukhabad
  - 2. Delhi
  - 3. Punjab
  - 4. Lucknow

Question ID : 26433066683  
Option 1 ID : 264330261259  
Option 2 ID : 264330261258  
Option 3 ID : 264330261256  
Option 4 ID : 264330261257  
Status : Answered  
Chosen Option : 3

Q.20 Match the columns.

State	Name of primitive form of cultivation
1. Andhra Pradesh	a. Podu
2. Jharkhand	b. Koman
3. Odisha	c. Kuruwa

- Ans
- 1. 1-a, 2-b, 3-c
  - 2. 1-c, 2-b, 3-a
  - 3. 1-b, 2-a, 3-c
  - 4. 1-a, 2-c, 3-b

Question ID : 264330132713  
Option 1 ID : 264330519950  
Option 2 ID : 264330519947  
Option 3 ID : 264330519948  
Option 4 ID : 264330519949  
Status : Answered  
Chosen Option : 2

Q.21 Which treaty led to the surrender of nearly half of the territory of Mysore State to the East India Company?

- Ans
- 1. Seringapatam
  - 2. Dindigul
  - 3. Madras
  - 4. Mangalore

Question ID : 264330112163  
Option 1 ID : 264330440739  
Option 2 ID : 264330440740  
Option 3 ID : 264330440738  
Option 4 ID : 264330440737  
Status : Answered  
Chosen Option : 2



Q.22 The POSHAN Abhiyaan launched in 2018 focuses on the nutritional status of adolescent girls, pregnant women, lactating mothers and children of which age group?

- Ans  1. 0-6 years  
 2. 2-5 years  
 3. 3-6 years  
 4. 1-3 years

Question ID : 264330113785  
Option 1 ID : 264330447226  
Option 2 ID : 264330447228  
Option 3 ID : 264330447225  
Option 4 ID : 264330447227  
Status : Answered  
Chosen Option : 2

Q.23 How do web browsers use Hyperlinks?

- Ans  1. To analyse internet traffic patterns  
 2. To store passwords securely  
 3. To navigate between web pages and resources  
 4. To display advertisements on websites

Question ID : 264330168578  
Option 1 ID : 264330661126  
Option 2 ID : 264330661123  
Option 3 ID : 264330661124  
Option 4 ID : 264330661125  
Status : Answered  
Chosen Option : 2

Q.24 Where was the 2021 Men's FIH Hockey Junior World Cup held?

- Ans  1. Kolkata  
 2. Bhubaneswar  
 3. Indore  
 4. Ranchi

Question ID : 264330119264  
Option 1 ID : 264330467343  
Option 2 ID : 264330467345  
Option 3 ID : 264330467346  
Option 4 ID : 264330467344  
Status : Answered  
Chosen Option : 2

Q.25 न न ल खत म से कौन-सा वक प, कृ म पार तक तं का न पण करता है? Ans  1. मछली फाम, च इयाघर, ीन हारस और जल-संवधन

- 2. च इयाघर, रा ीय उ ान, वन और तालाब पार तक तं
- 3. फसल पार तक तं , वन और चरागाह पार तक तं
- 4. मछली फाम , वन और महासागर पार तक तं

Question ID : 264330112832

Option 1 ID : 264330443414

Option 2 ID : 264330443416

Option 3 ID : 264330443413

Option 4 ID : 264330443415

Status : Answered

Chosen Option : 2

Q.26 Who shall have the duty to give advice to the Government of India upon legal matters from time to time as per Article 76 of the Constitution of India?

Ans  1. Attorney General

- 2. Prime Minister
- 3. Chief Justice of India
- 4. Advocate General

Question ID : 264330130686

Option 1 ID : 264330511858

Option 2 ID : 264330511855

Option 3 ID : 264330511856

Option 4 ID : 264330511857

Status : Answered

Chosen Option : 3

Q.27 In terms of trophic dynamics, wolf, Komodo dragon and crocodile are defined as:-

- Ans  1. herbivores
- 2. apex predators
  - 3. detritivores
  - 4. decomposers

Question ID : 264330110084

Option 1 ID : 264330432615

Option 2 ID : 264330432613

Option 3 ID : 264330432614

Option 4 ID : 264330432616

Status : Answered

Chosen Option : 3

Q.28 What is World Wide Web?

- Ans
- 1. A collection of interconnected computer networks.
  - 2. A web browser used for accessing online content.
  - 3. A collection of websites and web pages accessible over the internet.
  - 4. A software application for browsing the internet.

Question ID : 264330168580  
 Option 1 ID : 264330661131  
 Option 2 ID : 264330661134  
 Option 3 ID : 264330661133  
 Option 4 ID : 264330661132  
 Status : Answered  
 Chosen Option : 3

Q.29 Match the hills in column A with their locations/regions in column B.

Column A (Hills)	Column B(Location/regions)
1. Shevaroy Hills	a. Eastern Ghats
2. Doddabetta	b. Western Ghats
3. Khasi Hills	c. Meghalaya Plateau

- Ans
- 1. 1-a, 2-c, 3-b
  - 2. 1-b, 2-c, 3-a
  - 3. 1-b, 2-a, 3-c
  - 4. 1-a, 2-b, 3-c

Question ID : 264330157079  
 Option 1 ID : 264330615687  
 Option 2 ID : 264330615688  
 Option 3 ID : 264330615690  
 Option 4 ID : 264330615689  
 Status : Answered  
 Chosen Option : 3

Q.30 The Reserve Bank of India introduced a comprehensive regulatory framework for NBFC-MFI on \_\_\_\_\_.

- Ans
- 1. 8 December 2013
  - 2. 2 December 2011
  - 3. 10 December 2015
  - 4. 5 December 2012

Question ID : 264330144415  
 Option 1 ID : 264330565917  
 Option 2 ID : 264330565915  
 Option 3 ID : 264330565918  
 Option 4 ID : 264330565916  
 Status : Answered  
 Chosen Option : 3

Q.31 In which year was the climate classification first published in Russian as 'thermal zones of the earth'?

- Ans  1. 1884  
 2. 1895  
 3. 1991  
 4. 1890

Question ID : 264330131015  
Option 1 ID : 264330513171  
Option 2 ID : 264330513173  
Option 3 ID : 264330513174  
Option 4 ID : 264330513172  
Status : Answered  
Chosen Option : 2

Q.32 'Serve to Win' is the autobiography of \_\_\_\_\_.

- Ans  1. Serena Williams  
 2. Novak Djokovic  
 3. Pullela Gopichand  
 4. Rafael Nadal

Question ID : 264330110334  
Option 1 ID : 264330433615  
Option 2 ID : 264330433616  
Option 3 ID : 264330433613  
Option 4 ID : 264330433614  
Status : Answered  
Chosen Option : 2

Q.33 The Constitution (Scheduled Tribes) Order (Third Amendment) Bill, 2022, which has been passed by the Lok Sabha seeks to amend the Constitution (Scheduled Tribes) Order, 1950, with respect to its application to which of the following states?

- Ans  1. West Bengal  
 2. Himachal Pradesh  
 3. Uttar Pradesh  
 4. Odisha

Question ID : 264330158472  
Option 1 ID : 264330621248  
Option 2 ID : 264330621249  
Option 3 ID : 264330621250  
Option 4 ID : 264330621247  
Status : Answered  
Chosen Option : 2

Q.34 The headquarters of National Aluminium Company Limited (NALCO) is located at \_\_\_\_\_.

- Ans
- 1. Chennai
  - 2. Bhopal
  - 3. Bhubaneswar
  - 4. Jaipur

Question ID : 264330113273  
Option 1 ID : 264330445180  
Option 2 ID : 264330445177  
Option 3 ID : 264330445178  
Option 4 ID : 264330445179  
Status : Answered  
Chosen Option : 2

Q.35 Ashtangika Marga, which guides us in eliminating human misery is concerned with which religion?

- Ans
- 1. Vaishnavism
  - 2. Buddhism
  - 3. Saivism
  - 4. Jainism

Question ID : 264330112126  
Option 1 ID : 264330440592  
Option 2 ID : 264330440591  
Option 3 ID : 264330440589  
Option 4 ID : 264330440590  
Status : Answered  
Chosen Option : 2

Q.36 Which of the following food additives have nutritive value?

- Ans
- 1. Antioxidants
  - 2. Preservatives
  - 3. Food colours
  - 4. Nutritional supplements

Question ID : 264330113347  
Option 1 ID : 264330445474  
Option 2 ID : 264330445475  
Option 3 ID : 264330445473  
Option 4 ID : 264330445476  
Status : Answered  
Chosen Option : 3

Q.37 Who among the following members participate in the election of the Vice President of India?

- Ans
- 1. Legislative assembly members of all States
  - 2. Legislative members of all States and Union Territories
  - 3. Elected members of the Parliament
  - 4. Elected and nominated members of the Parliament

Question ID : 264330120159  
Option 1 ID : 264330470891  
Option 2 ID : 264330470892  
Option 3 ID : 264330470893  
Option 4 ID : 264330470894  
Status : Answered  
Chosen Option : 3

Q.38 Who among the following people is exempted from the applicability of Fundamental Duties?

- Ans
- 1. All government officials
  - 2. Foreigners who visit India
  - 3. Armed personnel
  - 4. Those below 21 years

Question ID : 264330130443  
Option 1 ID : 264330510885  
Option 2 ID : 264330510884  
Option 3 ID : 264330510886  
Option 4 ID : 264330510883  
Status : Answered  
Chosen Option : 3

Q.39 Which semi-essential amino acid plays an important role in your body's immune function, digestion, sleep and sexual function?

- Ans
- 1. Valine
  - 2. Arginine
  - 3. Histidine
  - 4. Leucine

Question ID : 264330110071  
Option 1 ID : 264330432562  
Option 2 ID : 264330432561  
Option 3 ID : 264330432564  
Option 4 ID : 264330432563  
Status : Answered  
Chosen Option : 3

Q.40 Directive Principles of State Policy is taken from which country's constitution?

- Ans  1. The UK  
 2. Ireland  
 3. France  
 4. The US

Question ID : 264330111530  
Option 1 ID : 264330438208  
Option 2 ID : 264330438205  
Option 3 ID : 264330438206  
Option 4 ID : 264330438207  
Status : Answered  
Chosen Option : 3

Q.41 Before the foundation of the Vijayanagar empire, Harihar and Bukka were the nobles of which of the following dynasties?

- Ans  1. Chalukya of Badami  
 2. Kakatiya of Warangal  
 3. Chera of Kerala  
 4. Hoysala of Madurai

Question ID : 26433089197  
Option 1 ID : 264330350305  
Option 2 ID : 264330350307  
Option 3 ID : 264330350308  
Option 4 ID : 264330350306  
Status : Answered  
Chosen Option : 2

Q.42 The Poona Pact was concerned with providing representation to which of the following classes or communities?

- Ans  1. Sikh  
 2. Muslim  
 3. Depressed class  
 4. Anglo-Indian

Question ID : 264330109036  
Option 1 ID : 264330428421  
Option 2 ID : 264330428423  
Option 3 ID : 264330428424  
Option 4 ID : 264330428422  
Status : Answered  
Chosen Option : 2

Q.43 On 7th February 2023, Ministry of Social Justice & Empowerment, GOI, set up 12 Garima Greh Shelter Home for \_\_\_\_\_ on pilot basis in nine States.

- Ans  1. transgender persons  
 2. flood affected persons  
 3. senior citizens  
 4. homeless women

Question ID : 264330132613  
Option 1 ID : 264330519547  
Option 2 ID : 264330519550  
Option 3 ID : 264330519548  
Option 4 ID : 264330519549  
Status : Answered  
Chosen Option : 2

Q.44 What are the basic components of Portland cement?

- Ans  1. CaO, SiO<sub>2</sub>, Al<sub>2</sub>O<sub>3</sub>, Fe<sub>2</sub>O<sub>3</sub>  
 2. CaOCl<sub>3</sub>, MgSO<sub>4</sub>, Al<sub>2</sub>(SO<sub>4</sub>)<sub>3</sub>, ZnSO<sub>4</sub>  
 3. CaCl<sub>2</sub>, MgCl<sub>2</sub>, Al<sub>2</sub>(SO<sub>4</sub>)<sub>3</sub>, ZnSO<sub>4</sub>  
 4. ZnSO<sub>4</sub>, CaCl<sub>2</sub>, Al<sub>2</sub>(SO<sub>4</sub>)<sub>3</sub>, CuSO<sub>4</sub>

Question ID : 264330118020  
Option 1 ID : 264330463895  
Option 2 ID : 264330463897  
Option 3 ID : 264330463896  
Option 4 ID : 264330463898  
Status : Answered  
Chosen Option : 2

Q.45 Ustad Vilayat Khan was related to the musical instrument called \_\_\_\_\_.

- Ans  1. sitar  
 2. sarangi  
 3. sarod  
 4. tabla

Question ID : 26433082112  
Option 1 ID : 264330322284  
Option 2 ID : 264330322283  
Option 3 ID : 264330322281  
Option 4 ID : 264330322282  
Status : Answered  
Chosen Option : 2



Q.46 Which of the following statements is INCORRECT with respect to Start-Up India Seed Fund Scheme?

- Ans  1. ₹845 crore will be provided as seed fund.  
 2. It was launched in 2021.  
 3. The number of estimated beneficiaries are 3,600 start-ups through 300 incubators.  
 4. It is being implemented by the Ministry of Commerce and Industry.

Question ID : 264330156923

Option 1 ID : 264330615069

Option 2 ID : 264330615067

Option 3 ID : 264330615070

Option 4 ID : 264330615068

Status : Answered

Chosen Option : 3

Q.47 In which of the following dances the basic dance formation is that of a circle that moves counter-clockwise, where dancers form concentric circles that move in opposite directions?

- Ans  1. Garba  
 2. Tamasha  
 3. Suggi  
 4. Ras lila

Question ID : 264330130866

Option 1 ID : 264330512575

Option 2 ID : 264330512576

Option 3 ID : 264330512578

Option 4 ID : 264330512577

Status : Answered

Chosen Option : 3

Q.48 The Indus system is one of the largest river basins in the world, covering a total length of how many kilometres in India?

- Ans  1. 2,580 km  
 2. 1,114 km  
 3. 3,800 km  
 4. 2,890 km

Question ID : 26433086904

Option 1 ID : 264330341258

Option 2 ID : 264330341257

Option 3 ID : 264330341260

Option 4 ID : 264330341259

Status : Answered

Chosen Option : 3

Q.49 एक स भारतीय अ भने ी वैजै यंतीमाला न न ल खत म से कस नृ य शैलीक भी तपदक थ Ans  1. भरतना म

2. ओ डसी  
 3. कथक  
 4. कु चपुड़ी

Question ID : 26433064805  
 Option 1 ID : 264330253812  
 Option 2 ID : 264330253814  
 Option 3 ID : 264330253815  
 Option 4 ID : 264330253813  
 Status : Answered  
 Chosen Option : 3

Q.50 वामी ववेकानंद के संगठन \_\_\_\_\_ ने समाज सेवा और नः वाथ म के मा यम से मु के आदश पर बल दया।

- Ans  1. वै दक समाज  
 2. ब ह कृ त हतका रणी सभा  
 3. रामकृ ण मशन  
 4. साधारण समाज

Question ID : 26433011418  
 Option 1 ID : 264330437757  
 Option 2 ID : 264330437758  
 Option 3 ID : 264330437759  
 Option 4 ID : 264330437760  
 Status : Answered  
 Chosen Option : 3

Section : General Engineering Electrical

Q.1 Find the most economical size of a single core cable working on a 100 kV single phase system and the maximum permissible stress in the dielectric is not to exceed  $50\sqrt{2}$  kV/cm.

- Ans  1. 8 cm  
 2. 10 cm  
 3. 4 cm  
 4. 0 cm

Question ID : 26433099258  
 Option 1 ID : 264330389646  
 Option 2 ID : 264330389647  
 Option 3 ID : 264330389645  
 Option 4 ID : 264330389648  
 Status : Answered  
 Chosen Option : 2

Q.2 Which of the following defines the use of a thermostat in an electric kettle?

- Ans  1. It is used to stop the flow of electricity through the heating element once the appropriate temperature is reached.
2. It is used to reduce the temperature in case of overheating of the heating element.
3. It is used to maintain the temperature inside the kettle.
4. It is used to compare the ambient temperature with the temperature inside the kettle.

Question ID : 264330100092  
Option 1 ID : 264330392943  
Option 2 ID : 264330392944  
Option 3 ID : 264330392941  
Option 4 ID : 264330392942  
Status : Answered  
Chosen Option : 2

Q.3 In commercial multimeters, to obtain the same deflection on corresponding DC and AC voltage ranges, the multiplier for AC range is to be \_\_\_\_\_.

- Ans  1. increased proportionately
2. kept the same
3. dependent on the duration of testing
4. lowered proportionately

Question ID : 264330157596  
Option 1 ID : 264330617744  
Option 2 ID : 264330617745  
Option 3 ID : 264330617746  
Option 4 ID : 264330617743  
Status : Answered  
Chosen Option : 2

Q.4 The no load ratio of a 50 Hz single-phase transformer is 2000/200 V. The maximum flux in the core is 0.05 Wb. What is the approximate number of primary turns?

- Ans  1. 145 turns
2. 100 turns
3. 200 turns
4. 180 turns

Question ID : 264330100785  
Option 1 ID : 264330395686  
Option 2 ID : 264330395685  
Option 3 ID : 264330395688  
Option 4 ID : 264330395687  
Status : Answered  
Chosen Option : 2

Q.5 वृत्त चुंबक यंत्रण में, लेमिंग के दाएं हाथ के नियम के अनुसार, तजनी (forefinger) को न पत करती है।

- Ans
- 1. वेरत ईएमएफ (EMF) क दशा
  - 2. वेरत धारा क दशा
  - 3. चालक क गत क दशा
  - 4. चुंबक यंत्रे क दशा

Question ID : 264330157613

Option 1 ID : 264330617814

Option 2 ID : 264330617813

Option 3 ID : 264330617811

Option 4 ID : 264330617812

Status : Answered

Chosen Option : 4

Q.6 Which of the following statements regarding the spinning reserve is/are true?

- A) It is the reserve capacity which is in operation, but not available for service.
- B) It acts as a cushion in case of emergency requirements.
- C) It is a capacity which is always connected to the bus and is used in case of need.

- Ans
- 1. A and B
  - 2. B and C
  - 3. A and C
  - 4. Only B

Question ID : 264330158061

Option 1 ID : 264330619606

Option 2 ID : 264330619605

Option 3 ID : 264330619604

Option 4 ID : 264330619603

Status : Answered

Chosen Option : 2

Q.7 The range of a moving iron ammeter can be extended by using a \_\_\_\_\_.

- Ans
- 1. multiplier connected in series with an ammeter
  - 2. shunt connected in parallel with an ammeter
  - 3. shunt connected in series with an ammeter
  - 4. multiplier connected in parallel with an ammeter

Question ID : 264330160644

Option 1 ID : 264330629910

Option 2 ID : 264330629907

Option 3 ID : 264330629908

Option 4 ID : 264330629909

Status : Answered

Chosen Option : 3

Q.8 According to IS (Indian Standard) specification 1180-1964 for outdoor type distribution transformer, the tapings shall be provided on hv side in\_\_\_\_\_ .

- Ans  1. 6 steps  
 2. 5 steps  
 3. 3 steps  
 4. 2 steps

Question ID : 264330100797

Option 1 ID : 264330395736

Option 2 ID : 264330395735

Option 3 ID : 264330395734

Option 4 ID : 264330395733

Status : Answered

Chosen Option : 2

Q.9 A wire of resistance  $88 \Omega$  is stretched to twice its original length. The resistance of a stretched wire would be\_\_\_\_\_ .

- Ans  1.  $176 \Omega$   
 2.  $352 \Omega$   
 3.  $88 \Omega$   
 4.  $22 \Omega$

Question ID : 26433096405

Option 1 ID : 264330378359

Option 2 ID : 264330378360

Option 3 ID : 264330378358

Option 4 ID : 264330378357

Status : Answered

Chosen Option : 2

Q.10 A moving coil instrument gives a full scale deflection of 10 mA when the potential difference across its terminals is 100 mV. Calculate the shunt resistance for full scale deflection which corresponds to 200 A?

- Ans  1.  $500.02 \text{ m}\Omega$   
 2.  $50.02 \text{ m}\Omega$   
 3.  $500.02 \text{ }\mu\Omega$   
 4.  $50.02 \text{ }\mu\Omega$

Question ID : 264330157595

Option 1 ID : 264330617740

Option 2 ID : 264330617739

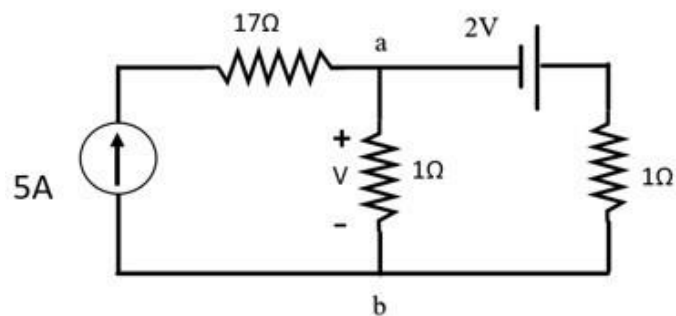
Option 3 ID : 264330617742

Option 4 ID : 264330617741

Status : Answered

Chosen Option : 2

Q.11

Find the value of  $V$  in the circuit shown below.

- Ans
- 1. 0V
  - 2. 3V
  - 3. 1.5V
  - 4. -1.5V

Question ID : 26433096478

Option 1 ID : 264330378651

Option 2 ID : 264330378652

Option 3 ID : 264330378650

Option 4 ID : 264330378649

Status : Answered

Chosen Option : 2

Q.12 If the energy stored in a 5H inductor is 160 joules, then calculate the current passing through it.

- Ans
- 1. 64 A
  - 2. 10 A
  - 3. 8 A
  - 4. 18 A

Question ID : 264330160225

Option 1 ID : 264330628240

Option 2 ID : 264330628241

Option 3 ID : 264330628239

Option 4 ID : 264330628242

Status : Answered

Chosen Option : 2

Q.13 In case of heating effect, if 1 calorie of heat energy is converted into joules, then its value will be\_\_\_\_\_.

- Ans
- 1. 3.743 joules
  - 2. 4.186 joules
  - 3. 1.853 joules
  - 4. 2.563 joules

Question ID : 264330157609

Option 1 ID : 264330617797

Option 2 ID : 264330617798

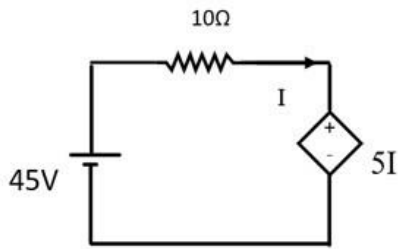
Option 3 ID : 264330617796

Option 4 ID : 264330617795

Status : Answered

Chosen Option : 1

Q.14 In the circuit shown below, the power delivered by the dependent voltage source is:



- Ans
- 1. 45 W
  - 2. -15 W
  - 3. 0 W
  - 4. -45 W

Question ID : 26433096456

Option 1 ID : 264330378561

Option 2 ID : 264330378562

Option 3 ID : 264330378564

Option 4 ID : 264330378563

Status : Answered

Chosen Option : 4

Q.15 In a three-phase balanced star connected system, which of the following will hold true? [ $\phi$  is the angle between phase voltage and phase current.]

- Ans
- 1. The angle between line currents and the corresponding line voltages is  $30^\circ + \phi$  for lagging.
  - 2. The angle between line currents and the corresponding line voltages is  $30^\circ - \phi$  for lagging.
  - 3. The angle between line currents and the corresponding line voltages is  $30^\circ + \phi$  for leading.
  - 4. The angle between line currents and the corresponding line voltages are in phase.

Question ID : 26433098299

Option 1 ID : 264330385850

Option 2 ID : 264330385852

Option 3 ID : 264330385851

Option 4 ID : 264330385849

Status : Answered

Chosen Option : 1

Q.16 The instantaneous current in a circuit is given by  $i = 4 \cos(\omega t + \theta)$  A. The RMS value of the current is:

Ans

1.  $3\sqrt{3}$  A

2.  $2\sqrt{2}$  A

3. zero

4.  $4\sqrt{2}$  A

Question ID : 264330159428

Option 1 ID : 264330625072

Option 2 ID : 264330625071

Option 3 ID : 264330625074

Option 4 ID : 264330625073

Status : Answered

Chosen Option : 4

Q.17 Which of the following statements are INCORRECT about PMMC instruments?

I. The torque-to-weight ratio is high, which gives a high accuracy.

II. A single instrument can be used for several, different current voltage ranges by using the instrument transformer.

III. The scale is uniformly divided.

IV. The cost of PMMC instruments is lower than that of moving iron instruments.

Ans

1. Only II and III

2. Only II and IV

3. Only I and III

4. Only I and IV

Question ID : 264330160645

Option 1 ID : 264330629912

Option 2 ID : 264330629914

Option 3 ID : 264330629911

Option 4 ID : 264330629913

Status : Answered

Chosen Option : 3

Q.18 The cable rating suitable for connecting the load of 3 kW to a single phase supply of 230 V is \_\_\_\_\_.

Ans

1. 5 A

2. 20 A

3. 10 A

4. 15 A

Question ID : 264330122636

Option 1 ID : 264330480655

Option 2 ID : 264330480658

Option 3 ID : 264330480656

Option 4 ID : 264330480657

Status : Answered

Chosen Option : 3



Q.19 In electromagnetic induction, Lenz's law directly follows \_\_\_\_ .

Ans  1. Faradays second law

2. the law of conservation of energy

3. Laplace's law

4. Faradays first law

Question ID : 264330157614

Option 1 ID : 264330617817

Option 2 ID : 264330617818

Option 3 ID : 264330617815

Option 4 ID : 264330617816

Status : Answered

Chosen Option : 2

Q.20 Mechanical losses in a synchronous motor include:

Ans  1. friction and windage losses

2. Eddy current losses in the stator

3. Joule losses in the rotor winding

4. core losses in the laminations

Question ID : 264330164907

Option 1 ID : 264330646757

Option 2 ID : 264330646758

Option 3 ID : 264330646756

Option 4 ID : 264330646755

Status : Answered

Chosen Option : 2

Q.21 If the peak value of an alternating current is 8 A, then the RMS value of the current will be \_\_\_\_\_.

Ans

1.  $3\sqrt{2}$  A

2.  $\sqrt{3}$  A

3.  $4\sqrt{2}$  A

4.  $2\sqrt{3}$  A

Question ID : 264330159429

Option 1 ID : 264330625076

Option 2 ID : 264330625077

Option 3 ID : 264330625075

Option 4 ID : 264330625078

Status : Answered

Chosen Option : 3

Q.22 The armature resistance of a 220 volt DC machine is 0.5 ohm. What is the value of the back EMF when the machine functions as a motor if the full load armature current is 25 amps?

- Ans
- 1. 209 V
  - 2. 207.5 V
  - 3. 207 V
  - 4. 210 V

Question ID : 264330162902  
Option 1 ID : 264330638923  
Option 2 ID : 264330638924  
Option 3 ID : 264330638925  
Option 4 ID : 264330638926  
Status : Answered  
Chosen Option : 2

Q.23 In Electromagnetism, the field pattern of a magnetic field inside the toroid is \_\_\_\_\_.

- Ans
- 1. uniform
  - 2. non-uniform
  - 3. parabolic
  - 4. hyperbolic

Question ID : 264330160489  
Option 1 ID : 264330629289  
Option 2 ID : 264330629290  
Option 3 ID : 264330629287  
Option 4 ID : 264330629288  
Status : Answered  
Chosen Option : 3

Q.24 When one tenant re-lets space to another under the terms of their own lease, it is called \_\_\_\_\_.

- Ans
- 1. perpetual lease
  - 2. sublease
  - 3. building lease
  - 4. occupational lease

Question ID : 264330158159  
Option 1 ID : 264330619995  
Option 2 ID : 264330619997  
Option 3 ID : 264330619998  
Option 4 ID : 264330619996  
Status : Answered  
Chosen Option : 3

Q.25 In a series connection of inductances,  $L_1$  and  $L_2$  are inductances and  $M$  is the mutual inductance. Find the total inductance.

- Ans
- 1.  $L_1 + L_2 + 2M$
  - 2.  $L_1 + L_2 - 2M$
  - 3.  $L_1 + L_2 + M$
  - 4.  $L_1 + L_2 - M$

Question ID : 264330157619

Option 1 ID : 264330617837

Option 2 ID : 264330617838

Option 3 ID : 264330617835

Option 4 ID : 264330617836

Status : Answered

Chosen Option : 2

Q.26 In the application of electrical and magnetic circuits, the heater element in an electric iron is manufactured by using \_\_\_\_\_.

- Ans
- 1. iron
  - 2. nichrome
  - 3. tungsten
  - 4. copper

Question ID : 264330157598

Option 1 ID : 264330617751

Option 2 ID : 264330617754

Option 3 ID : 264330617752

Option 4 ID : 264330617753

Status : Answered

Chosen Option : 2

Q.27 In a shaded-pole induction motor, in the core, when a \_\_\_\_\_ phase is applied, a/an \_\_\_\_\_ flux is generated.

- Ans
- 1. single; constant
  - 2. three; alternating
  - 3. three; constant
  - 4. single; alternating

Question ID : 264330164884

Option 1 ID : 264330646664

Option 2 ID : 264330646665

Option 3 ID : 264330646666

Option 4 ID : 264330646663

Status : Answered

Chosen Option : 4

Q.28 How many windings are present in auto transformers?

- Ans  1. 2  
 2. 1  
 3. 4  
 4. 3

Question ID : 264330100790  
Option 1 ID : 264330395706  
Option 2 ID : 264330395707  
Option 3 ID : 264330395705  
Option 4 ID : 264330395708  
Status : Answered  
Chosen Option : 4

Q.29 Find the common base configuration current gain of a transistor, if the common emitter configuration current gain of the transistor is 50.

- Ans  1. 0.99  
 2. 1  
 3. 0.97  
 4. 0.98

Question ID : 264330159768  
Option 1 ID : 264330626420  
Option 2 ID : 264330626422  
Option 3 ID : 264330626421  
Option 4 ID : 264330626419  
Status : Answered  
Chosen Option : 2

Q.30 The candle power of a lamp placed normal to a working plane is 40 candle power. Find the distance if the illumination is 10 lux?

- Ans  1. 2 m  
 2. 1.414 m  
 3. 3 m  
 4. 2.5 m

Question ID : 26433098187  
Option 1 ID : 264330385402  
Option 2 ID : 264330385401  
Option 3 ID : 264330385404  
Option 4 ID : 264330385403  
Status : Answered  
Chosen Option : 3

Q.31 The voltage across the impedance 'Z' is  $100 \angle 15^\circ$  V and the current through 'Z' is  $20 \angle -45^\circ$  A.  
Find the reactive power (Q).

- Ans  1. Q = 1732 VAR  
 2. Q = 600 VAR  
 3. Q = 6000 VAR  
 4. Q = 1000 VAR

Question ID : 264330159857  
Option 1 ID : 264330626775  
Option 2 ID : 264330626778  
Option 3 ID : 264330626777  
Option 4 ID : 264330626776  
Status : Answered  
Chosen Option : 3

Q.32 उस काश ब ब का चयन कर , जो सबसे कम ऊजा का उपयोग करके पया त मा ाम काश उ प करता हो।

- Ans  1. तापद त लप (Incandescent lamp)  
 2. नऑन लप (Neon lamp)  
 3. तद त लप (Fluorescent lamp)  
 4. एलईडी लप (LED lamp)

Question ID : 264330158188  
Option 1 ID : 264330620112  
Option 2 ID : 264330620114  
Option 3 ID : 264330620111  
Option 4 ID : 264330620113  
Status : Answered  
Chosen Option : 4

Q.33 Which of the following statements is/are true in regard to auto transformers?

- (i) A commonly known auto transformer, variac is used in laboratories and science labs.  
(ii) An auto transformer should have small transformation when used in transmission and distribution application.  
(iii) An auto transformer is used to raise the voltage in an AC feeder and is known as booster.

- Ans  1. Only (iii)  
 2. Only (i)  
 3. (i), (ii) and (iii)  
 4. (i) and (iii)

Question ID : 264330100789  
Option 1 ID : 264330395703  
Option 2 ID : 264330395701  
Option 3 ID : 264330395704  
Option 4 ID : 264330395702  
Status : Answered  
Chosen Option : 2

Q.34 Identify the FALSE statement associated with the significance of stationary armature in synchronous machine.

- Ans  1. The stationary armature is a stationary component that does not rotate, making it less prone to wear and tear. This results in a machine that is highly reliable and requires minimal maintenance.
2. The stationary armature is typically housed in a stationary frame, which provides a large surface area for efficient cooling. This allows the armature to operate at high temperatures without overheating, resulting in higher efficiency and longer lifespan.
3. In stationary armature configuration, the exciting current is relatively high; therefore, the slip rings and brush gear need to be heavy construction.
4. The stationary armature is responsible for producing the stator magnetic field in a synchronous machine. The magnetic field produced by the armature interacts with the magnetic field produced by the rotor to generate the torque necessary to turn the machine.

Question ID : 264330164901

Option 1 ID : 264330646732

Option 2 ID : 264330646733

Option 3 ID : 264330646734

Option 4 ID : 264330646731

Status : Answered

Chosen Option : 3

Q.35 The dual pair of the node and open circuit are \_\_\_\_\_

- Ans  1. KVL and short circuit
2. mesh and KCL
3. mesh and short circuit
4. mesh and open circuit

Question ID : 26433098278

Option 1 ID : 264330385766

Option 2 ID : 264330385767

Option 3 ID : 264330385765

Option 4 ID : 264330385768

Status : Answered

Chosen Option : 2

Q.36 Which of the following statements about the losses in a DC motor is INCORRECT?

- Ans  1. Brush losses forms a part of mechanical losses.
2. Stray load losses are produced due to the distortion of the air gap flux due to armature reaction.
3. In series motors, the field ohmic loss forms a part of the armature circuit loss.
4. The no load rotational loss is made up of iron loss and mechanical loss.

Question ID : 26433098177

Option 1 ID : 264330385362

Option 2 ID : 264330385361

Option 3 ID : 264330385363

Option 4 ID : 264330385364

Status : Answered

Chosen Option : 3

Q.37 In case of magnetic circuits, the ratio of the flux density developed in the magnetic material to the flux density developed in air, for the same amount of magnetising force applied to it, is called \_\_\_\_\_.

- Ans
- 1. relative permeability
  - 2. absolute permeability
  - 3. reluctance
  - 4. EMF

Question ID : 264330157669  
Option 1 ID : 264330618038  
Option 2 ID : 264330618037  
Option 3 ID : 264330618036  
Option 4 ID : 264330618035  
Status : Answered  
Chosen Option : 2

Q.38 If supports are at equal levels and tension in an overhead line is increased to two times, then \_\_\_\_\_.

- Ans
- 1. sag becomes zero
  - 2. sag also increases to four times
  - 3. sag decreases to half of the previous value
  - 4. sag also increases to two times

Question ID : 26433099472  
Option 1 ID : 264330390503  
Option 2 ID : 264330390504  
Option 3 ID : 264330390501  
Option 4 ID : 264330390502  
Status : Answered  
Chosen Option : 2

Q.39 A JFET has the following parameters:  $I_{DSS} = 30 \text{ mA}$ ,  $V_{GS}(\text{off}) = -5 \text{ V}$ ,  $V_{GS} = -4.5 \text{ V}$ . Find the value of drain current.

- Ans
- 1. 0.3 mA
  - 2. 15 mA
  - 3. 30 mA
  - 4. 0.5 mA

Question ID : 264330159781  
Option 1 ID : 264330626471  
Option 2 ID : 264330626473  
Option 3 ID : 264330626474  
Option 4 ID : 264330626472  
Status : Answered  
Chosen Option : 2

Q.40 The property where magnetic field of one of the coils makes the other coil to induce an EMF in it is called \_\_\_\_ .

- Ans  1. mutual inductance  
 2. capacitance  
 3. self-inductance  
 4. resistance

Question ID : 26433096921

Option 1 ID : 264330380422

Option 2 ID : 264330380423

Option 3 ID : 264330380421

Option 4 ID : 264330380424

Status : Answered

Chosen Option : 1

Q.41 Which of the following types of fields is used as a coupling medium in all electromechanical conversion devices?

- Ans  1. Thermal field only  
 2. Electric field only  
 3. Both electric field and magnetic field  
 4. Magnetic field only

Question ID : 264330160508

Option 1 ID : 264330629366

Option 2 ID : 264330629363

Option 3 ID : 264330629365

Option 4 ID : 264330629364

Status : Answered

Chosen Option : 3

Q.42 A power system consists of a coal-fired power plant of 800 MW with the availability factor of 0.8 and a wind farm of 400 MW with the availability factor of 0.5. Find the firm power of the system.

- Ans  1. 1800 MW  
 2. 1200 MW  
 3. 400 MW  
 4. 840 MW

Question ID : 264330158059

Option 1 ID : 264330619595

Option 2 ID : 264330619597

Option 3 ID : 264330619598

Option 4 ID : 264330619596

Status : Answered

Chosen Option : 2



Q.43 The deflection produced by a half wave rectifier type AC voltmeter is how much times the deflection produced by the DC of equal magnitude voltage?

- Ans  1. 0.45 times  
 2. 0.40 times  
 3. 0.80 times  
 4. 0.90 times

Question ID : 264330157587  
Option 1 ID : 264330617709  
Option 2 ID : 264330617710  
Option 3 ID : 264330617708  
Option 4 ID : 264330617707  
Status : Answered  
Chosen Option : 2

Q.44 Which of the following is a desirable characteristic of a DC servomotor?

- Ans  1. Slow response  
 2. Big size of the machine  
 3. Less inertia  
 4. Less robust

Question ID : 264330164864  
Option 1 ID : 264330646584  
Option 2 ID : 264330646586  
Option 3 ID : 264330646583  
Option 4 ID : 264330646585  
Status : Answered  
Chosen Option : 4

Q.45 Consider the following statements about damper winding used to start a synchronous motor and choose the suitable combination of correct choices.

- a) When a motor is overloaded it does not stop.  
b) Synchronous motor made self-starting by providing damper winding.  
c) Damper winding consists of short-circuited copper bars embedded in the face of the field poles.  
d) Since damper winding resistance is high so it takes a small current from the supply mains.

- Ans  1. Only a, b and c are true.  
 2. All a, b, c, d are true.  
 3. Both b and d are true.  
 4. Both b and c are true.

Question ID : 26433099522  
Option 1 ID : 264330390701  
Option 2 ID : 264330390704  
Option 3 ID : 264330390703  
Option 4 ID : 264330390702  
Status : Answered  
Chosen Option : 2

Q.46 The armature reaction effect is high in \_\_\_\_\_.

- Ans
- 1. both the armature and field control methods
  - 2. series parallel control method
  - 3. field control method
  - 4. armature control method

Question ID : 264330100781  
Option 1 ID : 264330395671  
Option 2 ID : 264330395672  
Option 3 ID : 264330395670  
Option 4 ID : 264330395669  
Status : Answered  
Chosen Option : 2

Q.47 Which option is INCORRECT in relation to the applications of synchronous motors?

- Ans
- 1. They are used in power house and substation in parallel to the bus bar to improve the power factors.
  - 2. They are used to regulate the voltage at the end of transmission line.
  - 3. They are used in factories having a large number of induction motors operated at leading power factor.
  - 4. They are used in large loads where constant speed is required.

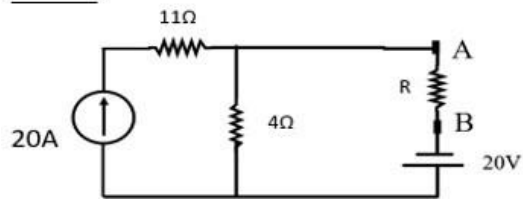
Question ID : 264330164905  
Option 1 ID : 264330646747  
Option 2 ID : 264330646748  
Option 3 ID : 264330646749  
Option 4 ID : 264330646750  
Status : Answered  
Chosen Option : 2

Q.48 What will happen with a single-phase induction motor that has a short-circuited capacitor?

- Ans
- 1. Will run in the same direction with less speed
  - 2. Will not run
  - 3. Will run in the reverse direction
  - 4. Will run

Question ID : 264330164875  
Option 1 ID : 264330646629  
Option 2 ID : 264330646627  
Option 3 ID : 264330646630  
Option 4 ID : 264330646628  
Status : Answered  
Chosen Option : 2

Q.49 The Thevenin's equivalent voltage across terminal A-B shown in the figure is \_\_\_\_\_.



- Ans
- 1. 10 V
  - 2. 100 V
  - 3. 300 V
  - 4. 80 V

Question ID : 26433096490

Option 1 ID : 264330378700

Option 2 ID : 264330378699

Option 3 ID : 264330378698

Option 4 ID : 264330378697

Status : Answered

Chosen Option : 3

Q.50 Which of the following materials is used to construct the rotor of variable reluctance stepper motor with salient poles?

- Ans
- 1. Diamagnetic
  - 2. Nonmagnetic
  - 3. Paramagnetic
  - 4. Ferromagnetic

Question ID : 264330164867

Option 1 ID : 264330646596

Option 2 ID : 264330646597

Option 3 ID : 264330646595

Option 4 ID : 264330646598

Status : Answered

Chosen Option : 4

Q.51 The conductor of an overhead transmission line has cross-sectional area of  $2 \text{ cm}^2$ . If the specific gravity of the conductor material is  $9.9 \text{ gm/cm}^3$  and wind pressure is  $1.5 \text{ kg/m}$  length. The effective weight per metre of length (kg/m) of the conductor will be \_\_\_\_\_.

- Ans
- 1. 3.48 kg/m
  - 2. 2.48 kg/m
  - 3. 4.48 kg/m
  - 4. 5.48 kg/m

Question ID : 264330162603

Option 1 ID : 264330637740

Option 2 ID : 264330637739

Option 3 ID : 264330637741

Option 4 ID : 264330637742

Status : Answered

Chosen Option : 3

Q.52 The expression for the RMS value of the current of a triangular wave form is:

- Ans
- 1.  $\sqrt{3}I_{\max}$
  - 2.  $\frac{I_{\max}}{2}$
  - 3.  $\frac{I_{\max}}{\sqrt{2}}$
  - 4.  $\frac{I_{\max}}{\sqrt{3}}$

Question ID : 26433098303

Option 1 ID : 264330385868

Option 2 ID : 264330385867

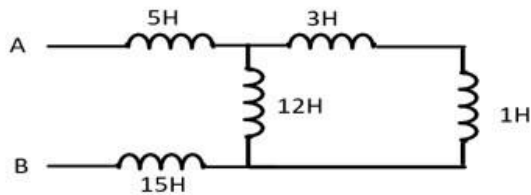
Option 3 ID : 264330385866

Option 4 ID : 264330385865

Status : Answered

Chosen Option : 2

Q.53 Find the value of equivalent inductance across terminal AB in the following circuit.



- Ans
- 1. 26H
  - 2. 50H
  - 3. 36H
  - 4. 23H

Question ID : 26433096410

Option 1 ID : 264330378377

Option 2 ID : 264330378380

Option 3 ID : 264330378379

Option 4 ID : 264330378378

Status : Answered

Chosen Option : 4

Q.54 Which of the following lamps is well suited for street lightning in terms of high luminous efficiency?

- Ans
- 1. Compact fluorescent lamp
  - 2. Fluorescent lamp
  - 3. Incandescent lamp
  - 4. Sodium vapour lamp

Question ID : 26433098204  
Option 1 ID : 264330385469  
Option 2 ID : 264330385471  
Option 3 ID : 264330385470  
Option 4 ID : 264330385472  
Status : Answered  
Chosen Option : 4

Q.55 The compensation for light load is done by using a metallic strip provided between the \_\_\_\_\_.

- Ans
- 1. disc and the pointer
  - 2. central limb of series magnet and disc
  - 3. central limb of shunt magnet and disc
  - 4. permanent magnet and disc

Question ID : 264330100761  
Option 1 ID : 264330395591  
Option 2 ID : 264330395590  
Option 3 ID : 264330395589  
Option 4 ID : 264330395592  
Status : Answered  
Chosen Option : 4

Q.56 A 400 W, 100 V bulb is connected across a 50 V source. The current drawn by the bulb is \_\_\_\_\_.

- Ans
- 1. 1 A
  - 2. 0 A
  - 3. 2 A
  - 4. 4 A

Question ID : 264330160217  
Option 1 ID : 264330628208  
Option 2 ID : 264330628210  
Option 3 ID : 264330628207  
Option 4 ID : 264330628209  
Status : Answered  
Chosen Option : 3

Q.57 In a shaded-pole induction motor, the part with copper ring is known as \_\_\_\_\_, and the copper ring is known as \_\_\_\_\_, which is usually a single-turn coil.

- Ans
- 1. shaded pole; shading coil
  - 2. shaded coil; shading pole
  - 3. shaded coil; shading coil
  - 4. shaded pole; shading pole

Question ID : 264330164882  
Option 1 ID : 264330646655  
Option 2 ID : 264330646656  
Option 3 ID : 264330646658  
Option 4 ID : 264330646657  
Status : Answered  
Chosen Option : 3

Q.58 Calculate the line value of induced emf of a 10-pole, 3-phase, 60 Hz star-connected alternator with 60 slots and 4 conductors per slot. The value of the pitch factor is 0.966, the distribution factor is 0.966, the flux per pole is 0.12 Wb and it is sinusoidally distributed.

- Ans
- 1. 927.36 V
  - 2. 688.92 V
  - 3. 1193.4 V
  - 4. 2066.76 V

Question ID : 26433099516  
Option 1 ID : 264330390680  
Option 2 ID : 264330390679  
Option 3 ID : 264330390677  
Option 4 ID : 264330390678  
Status : Answered  
Chosen Option : 3

Q.59 Which of the following is NOT suitable for the overhead conductor of a transmission line?

- Ans
- 1. High electrical conductivity
  - 2. High tensile strength
  - 3. High specific gravity
  - 4. Lower cost

Question ID : 264330158112  
Option 1 ID : 264330619808  
Option 2 ID : 264330619809  
Option 3 ID : 264330619810  
Option 4 ID : 264330619807  
Status : Answered  
Chosen Option : 2

Q.60 A capacitor that stores energy of 8 J and has capacitance of 1 F has a potential difference of \_\_\_\_\_ across it.

- Ans  1. 2 V  
 2. 4 V  
 3. 1 V  
 4. 12 V

Question ID : 26433098182  
Option 1 ID : 264330385382  
Option 2 ID : 264330385383  
Option 3 ID : 264330385381  
Option 4 ID : 264330385384  
Status : Answered  
Chosen Option : 2

Q.61 Select the INCORRECT statement for an overhead transmission line supported by supports at equal levels.

- Ans  1. Sag is directly proportional to the square of the length of the conductor span.  
 2. Sag is inversely proportional to the height of the supporting tower.  
 3. Sag is inversely proportional to the tension of the conductor.  
 4. Sag is directly proportional to the weight per unit length of the conductor.

Question ID : 264330158116  
Option 1 ID : 264330619825  
Option 2 ID : 264330619826  
Option 3 ID : 264330619824  
Option 4 ID : 264330619823  
Status : Answered  
Chosen Option : 2

Q.62 Arrange the following in the increasing order of energy released during their processing as a biomass.

- A) Bagasse  
B) Municipal solid waste  
C) Wheat and rice straw  
D) Wood pellets

- Ans  1. B-D-A-C  
 2. D-B-C-A  
 3. C-A-B-D  
 4. A-B-C-D

Question ID : 264330158064  
Option 1 ID : 264330619618  
Option 2 ID : 264330619617  
Option 3 ID : 264330619615  
Option 4 ID : 264330619616  
Status : Answered  
Chosen Option : 2

Q.63 The input signal of a common drain amplifier is applied to the Gate through the \_\_\_\_.

- Ans
- 1. input resistor
  - 2. variable resistor
  - 3. input inductor
  - 4. coupling capacitor

Question ID : 264330159779

Option 1 ID : 264330626463

Option 2 ID : 264330626464

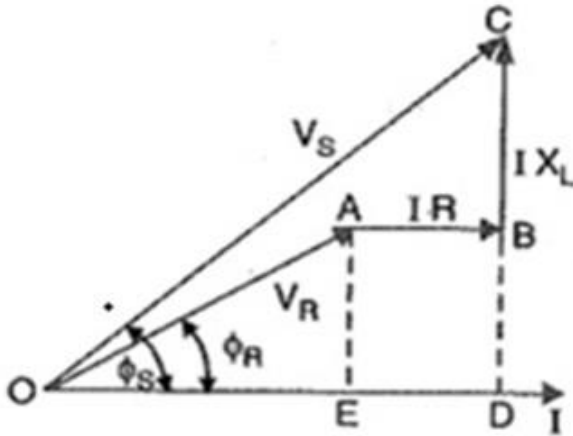
Option 3 ID : 264330626465

Option 4 ID : 264330626466

Status : Answered

Chosen Option : 2

Q.64 The figure shows the lagging load phasor representation of a transmission line, where,  $V_S$ ,  $R$ ,  $X_L$ ,  $V_R$  and  $I$  represent the sending end voltage, line resistance, line inductance, receiving end voltage and line current, respectively. Identify the transmission line which most suited for it.



- Ans
- 1. 400 kV transmission line
  - 2. 10 kV transmission line
  - 3. 200 kV transmission line
  - 4. 100 kV transmission line

Question ID : 264330158107

Option 1 ID : 264330619790

Option 2 ID : 264330619787

Option 3 ID : 264330619789

Option 4 ID : 264330619788

Status : Answered

Chosen Option : 3



Q.65 Which of the following components are connected to the gearbox and generator box, respectively, in a horizontal-type wind turbine?

- Ans  1. Low speed shaft and high speed shaft  
 2. High speed shaft and low speed shaft  
 3. High speed shaft and accelerometer  
 4. Low speed shaft and accelerometer

Question ID : 26433099577

Option 1 ID : 264330390923

Option 2 ID : 264330390924

Option 3 ID : 264330390922

Option 4 ID : 264330390921

Status : Answered

Chosen Option : 3

Q.66

Find the input capacitance for a common source(CS) MOSFET amplifier, when  $C_{gs} = 5pF$ ,  $C_{gd} = 3pF$ , and  $A_V = 3$ .

- Ans  1. 17 pF  
 2. 10 pF  
 3. 15 pF  
 4. 12 pF

Question ID : 264330159775

Option 1 ID : 264330626450

Option 2 ID : 264330626447

Option 3 ID : 264330626449

Option 4 ID : 264330626448

Status : Answered

Chosen Option : 3

Q.67 Three phases (R, Y and B) of a balanced AC circuit with the phase sequence RYB are connected in star. These three voltages are equal in magnitude and displaced from one another by \_\_\_\_\_ electrical angle.

- Ans  1. 120°  
 2. 240°  
 3. 360°  
 4. 90°

Question ID : 264330159444

Option 1 ID : 264330625136

Option 2 ID : 264330625137

Option 3 ID : 264330625138

Option 4 ID : 264330625135

Status : Answered

Chosen Option : 3

Q.68 In the context of electromagnetic induction, the fraction of magnetic flux produced by the current in one coil that links the other coil is called \_\_\_\_ .

- Ans
- 1. coefficient of coupling
  - 2. mutual induction
  - 3. self-induction
  - 4. mutually induced EMF

Question ID : 264330157623  
Option 1 ID : 264330617854  
Option 2 ID : 264330617852  
Option 3 ID : 264330617851  
Option 4 ID : 264330617853  
Status : Answered  
Chosen Option : 3

Q.69 In case of magnetic circuits, the flux produced per unit area of the magnetic material, for every unit of the magnetising force applied to it, is called \_\_\_\_\_.

- Ans
- 1. relative permeability
  - 2. absolute permeability
  - 3. EMF
  - 4. MMF

Question ID : 264330157668  
Option 1 ID : 264330618034  
Option 2 ID : 264330618033  
Option 3 ID : 264330618032  
Option 4 ID : 264330618031  
Status : Answered  
Chosen Option : 3

Q.70 How many terminals does a servo-motor contain?

- Ans
- 1. 1
  - 2. 2
  - 3. 3
  - 4. 4

Question ID : 264330164858  
Option 1 ID : 264330646559  
Option 2 ID : 264330646560  
Option 3 ID : 264330646561  
Option 4 ID : 264330646562  
Status : Answered  
Chosen Option : 2

Q.71 In the wind power plant, which of the following features differentiates the wound rotor synchronous generator from squirrel cage induction generators?

- Ans
- 1. The wound rotor synchronous generator includes an external mechanism to control the rotor output.
  - 2. A reactive power compensation unit is not needed in wound rotor synchronous generators.
  - 3. A gearbox is not required in the wound rotor synchronous generator.
  - 4. The wound rotor synchronous generator includes an external mechanism to control the stator side.

Question ID : 26433099574

Option 1 ID : 264330390909

Option 2 ID : 264330390912

Option 3 ID : 264330390911

Option 4 ID : 264330390910

Status : Answered

Chosen Option : 2

Q.72 Which of the following statements is true regarding the voltage drop due to armature reaction for unity power factors in an alternator?

- Ans
- 1. The voltage drop is maximum for unity power factors.
  - 2. The voltage drop is minimum for unity power factors.
  - 3. The voltage drop is zero for unity power factors.
  - 4. The voltage drop remains constant irrespective of the power factor.

Question ID : 264330164897

Option 1 ID : 264330646715

Option 2 ID : 264330646716

Option 3 ID : 264330646717

Option 4 ID : 264330646718

Status : Answered

Chosen Option : 2

Q.73 Which of the following statements is NOT correct about generation of alternating voltage?

- Ans
- 1. For the production of voltage, either the armature or the field rotates.
  - 2. The number of times the armature rotates per second, the same number of cycles will be produced by the armature voltage.
  - 3. An increase in the number of poles, increases the frequency.
  - 4. A 4-pole generator completes four cycles per revolution.

Question ID : 26433096116

Option 1 ID : 264330377233

Option 2 ID : 264330377235

Option 3 ID : 264330377234

Option 4 ID : 264330377236

Status : Answered

Chosen Option : 2

Q.74 Which of the following is used with the pressure coil to bring the flux produced by the shunt magnet exactly in quadrature with the applied voltage?

- Ans  1. Copper shading bands are provided on the central limb  
 2. Copper shading bands are provided on the U limb  
 3. Aluminium shading bands are provided on the central limb  
 4. Aluminium shading bands are provided on the U limb

Question ID : 264330157582  
Option 1 ID : 264330617688  
Option 2 ID : 264330617690  
Option 3 ID : 264330617687  
Option 4 ID : 264330617689  
Status : Answered  
Chosen Option : 2

Q.75 Which of the given statements is NOT true about the double layer winding in the electrical machine?

- Ans  1. Leakage reactance will be more as more winding is there.  
 2. Fractional slot winding can be possible.  
 3. Improved emf waveform will be there.  
 4. Easier to manufacture and lower cost of the coils

Question ID : 264330164902  
Option 1 ID : 264330646738  
Option 2 ID : 264330646737  
Option 3 ID : 264330646735  
Option 4 ID : 264330646736  
Status : Answered  
Chosen Option : 3

Q.76 An RLC series circuit has resonance frequency of 170 kHz and quality factor of 25. Find the bandwidth of the circuit.

- Ans  1. 6.8 kHz  
 2. 13.6 kHz  
 3. 68 kHz  
 4. 50 Hz

Question ID : 264330159516  
Option 1 ID : 264330625423  
Option 2 ID : 264330625425  
Option 3 ID : 264330625426  
Option 4 ID : 264330625424  
Status : Answered  
Chosen Option : 3

Q.77 The Ohmic loss during the open-circuit test is considered negligible because:

- Ans
- 1. the Ohmic loss is proportional to the square of the applied voltage, which is low in the open-circuit test
  - 2. the Ohmic loss is proportional to the square of the applied current, which is low in the open-circuit test
  - 3. the Ohmic loss is proportional to the square of the applied current, which is high in the open-circuit test
  - 4. the Ohmic loss is proportional to the square of the applied voltage, which is high in the open-circuit test

Question ID : 264330163309

Option 1 ID : 264330640535

Option 2 ID : 264330640537

Option 3 ID : 264330640538

Option 4 ID : 264330640536

Status : Answered

Chosen Option : 3

Q.78 Diffusion capacitance of a p-n junction diode increases with increase in the \_\_\_\_\_ and the \_\_\_\_\_.

- Ans
- 1. thermal voltage; ideality factor (n)
  - 2. mean lifetime of minority carriers; diode current
  - 3. mean lifetime of minority carriers; thermal voltage
  - 4. diode current; thermal voltage

Question ID : 264330162822

Option 1 ID : 264330638606

Option 2 ID : 264330638603

Option 3 ID : 264330638605

Option 4 ID : 264330638604

Status : Answered

Chosen Option : 3

Q.79 Which of the following constitutes a valid reason for rejecting the lowest bid?

- Ans
- 1. All of the options
  - 2. Unreasonable compensation is received
  - 3. Bidder has not signed
  - 4. Lack of sufficient opposition

Question ID : 264330158174

Option 1 ID : 264330620058

Option 2 ID : 264330620056

Option 3 ID : 264330620057

Option 4 ID : 264330620055

Status : Answered

Chosen Option : 2

Q.80 A heater of resistance  $300\Omega$  is connected to the main supply for 10 minutes. If the heat produced in the heater during this time is 18 J, then find the current through it.

- Ans
- 1. 10A
  - 2. 0.01A
  - 3. 0.10 A
  - 4. 100 A

Question ID : 264330160209

Option 1 ID : 264330628178

Option 2 ID : 264330628177

Option 3 ID : 264330628176

Option 4 ID : 264330628175

Status : Answered

Chosen Option : 2

Q.81 In a capacitor start induction run motor, when motor reaches to \_\_\_\_\_ of full speed, the centrifugal switch S opens and cuts out capacitor from supply.

- Ans
- 1. 100%
  - 2. 25%
  - 3. 50%
  - 4. 75%

Question ID : 26433099590

Option 1 ID : 264330390976

Option 2 ID : 264330390973

Option 3 ID : 264330390974

Option 4 ID : 264330390975

Status : Answered

Chosen Option : 2

Q.82 How much torque will be produced by the armature of a DC shunt machine if the machine generates 10,000 W of mechanical power in the armature and rotates at the speed of 1500 revolutions per minute?

- Ans
- 1. 0 N-m
  - 2.  $\frac{200}{\pi}$  N-m
  - 3.  $\frac{2}{\pi}$  N-m
  - 4.  $\frac{20}{\pi}$  N-m

Question ID : 264330163298

Option 1 ID : 264330640491

Option 2 ID : 264330640492

Option 3 ID : 264330640493

Option 4 ID : 264330640494

Status : Answered

Chosen Option : 2

Q.83 What is the purpose of cost estimation?

- Ans  1. To predict project expenses  
 2. To allocate human resources  
 3. To determine project timelines  
 4. To assess project risks

Question ID : 264330158154  
Option 1 ID : 264330619977  
Option 2 ID : 264330619976  
Option 3 ID : 264330619975  
Option 4 ID : 264330619978  
Status : Answered  
Chosen Option : 2

Q.84 In a single value capacitor run motor, the starting torque is about \_\_\_\_\_ of rated torque.

- Ans  1. 50 to 100%  
 2. 10 to 30%  
 3. 10 to 20%  
 4. 20 to 30%

Question ID : 26433099625  
Option 1 ID : 264330391116  
Option 2 ID : 264330391115  
Option 3 ID : 264330391114  
Option 4 ID : 264330391113  
Status : Answered  
Chosen Option : 2

Q.85 The method of creating uniform electrostatic stress in the dielectric of underground cables is known as \_\_\_\_\_ of cables.

- Ans  1. grading  
 2. laying  
 3. armouring  
 4. jointing

Question ID : 264330158123  
Option 1 ID : 264330619854  
Option 2 ID : 264330619852  
Option 3 ID : 264330619853  
Option 4 ID : 264330619851  
Status : Answered  
Chosen Option : 2

Q.86 Calculate the resistance per metre length of a wire of diameter 40 mm and specific resistance of  $3.14 \times 10^{-4} \Omega\text{-m}$ :

- Ans
- 1.  $40 \Omega$
  - 2.  $4 \Omega$
  - 3.  $\frac{1}{4} \Omega$
  - 4.  $400 \Omega$

Question ID : 26433096413

Option 1 ID : 264330378390

Option 2 ID : 264330378389

Option 3 ID : 264330378392

Option 4 ID : 264330378391

Status : Answered

Chosen Option : 3

Q.87 Which type of generator is used in a large wind power plant?

- Ans
- 1. Slip ring motor
  - 2. Three phase alternator
  - 3. DC generator
  - 4. Induction generator

Question ID : 26433099576

Option 1 ID : 264330390920

Option 2 ID : 264330390918

Option 3 ID : 264330390917

Option 4 ID : 264330390919

Status : Answered

Chosen Option : 3

Q.88 The bandwidth of CRO is the range of frequencies over which gain of \_\_\_\_\_.

- Ans
- 1. vertical amplifier is within 3 db of the mid-band frequency gain
  - 2. horizontal amplifier is within 3 db of the mid-band frequency gain
  - 3. vertical amplifier is within 5 db of the mid-band frequency gain
  - 4. horizontal amplifier is within 5 db of the mid-band frequency gain

Question ID : 264330157579

Option 1 ID : 264330617677

Option 2 ID : 264330617675

Option 3 ID : 264330617678

Option 4 ID : 264330617676

Status : Answered

Chosen Option : 3



Q.89 What will be the primary current of a 20 kVA, 6600/220 V, 50 Hz step-down ideal transformer?

- Ans  1. 3.03 A  
 2. 0 A  
 3. 1.3 A  
 4. 1.515 A

Question ID : 264330163314  
 Option 1 ID : 264330640556  
 Option 2 ID : 264330640555  
 Option 3 ID : 264330640557  
 Option 4 ID : 264330640558  
 Status : Answered  
 Chosen Option : 3

Q.90 In a shaded-pole induction motor, the main core flux is \_\_\_\_\_ by the flux in the ring that is developed by the \_\_\_\_\_ current.

- Ans  1. opposed; constant  
 2. supported; circulating  
 3. supported; constant  
 4. opposed; circulating

Question ID : 264330164885  
 Option 1 ID : 264330646668  
 Option 2 ID : 264330646669  
 Option 3 ID : 264330646670  
 Option 4 ID : 264330646667  
 Status : Answered  
 Chosen Option : 3

Q.91 The current (I) flowing through the p-n junction diode is given by \_\_\_\_\_.

- Ans  1.  $I_0 = I(e^{\eta KT/qv} - 1)$   
 2.  $I = I_0(e^{\eta KT/qv} - 1)$   
 3.  $I_0 = I(e^{qv/\eta KT} - 1)$   
 4.  $I = I_0(e^{qv/\eta KT} - 1)$

Question ID : 26433098135  
 Option 1 ID : 264330385196  
 Option 2 ID : 264330385193  
 Option 3 ID : 264330385194  
 Option 4 ID : 264330385195  
 Status : Answered  
 Chosen Option : 2

Q.92 Which of the following quantities can be changed to control the speed of the brushless DC motor?

- Ans
- 1. Wind direction
  - 2. Wind pressure
  - 3. Applied DC source voltage
  - 4. Temperature

Question ID : 264330164860

Option 1 ID : 264330646567

Option 2 ID : 264330646570

Option 3 ID : 264330646568

Option 4 ID : 264330646569

Status : Answered

Chosen Option : 3

Q.93 What will be the phase difference between the alternating current and the voltage represented by the following equation  $I = I_0 \sin(\omega t)$  and  $E = E_0 \cos(\omega t + \pi/3)$ ?

- Ans
- 1.  $5\pi/3$
  - 2.  $\pi/3$
  - 3.  $4\pi/3$
  - 4.  $5\pi/6$

Question ID : 264330159431

Option 1 ID : 264330625084

Option 2 ID : 264330625083

Option 3 ID : 264330625085

Option 4 ID : 264330625086

Status : Answered

Chosen Option : 2

Q.94 Choose the correct alternative regarding Neon Lamps.

- Ans
- 1. The power factor of the neon tube is higher.
  - 2. The neon lamp consists of neon and argon gas.
  - 3. The neon lamp normally emits green colour.
  - 4. If helium gas is used instead of neon, a greenish red colour is obtained.

Question ID : 264330100101

Option 1 ID : 264330392980

Option 2 ID : 264330392979

Option 3 ID : 264330392977

Option 4 ID : 264330392978

Status : Answered

Chosen Option : 2

Q.95 In electrical applications, electric geyser coils are made up of a \_\_\_\_\_.

- Ans
- 1. high-inductance metal
  - 2. high-resistance metal
  - 3. low-resistance metal
  - 4. low-inductance metal

Question ID : 264330157599  
Option 1 ID : 264330617758  
Option 2 ID : 264330617757  
Option 3 ID : 264330617755  
Option 4 ID : 264330617756  
Status : Answered  
Chosen Option : 2

Q.96 Self-inductance does NOT depend on which of the following parameters?

- Ans
- 1. Length of the conductor
  - 2. Number of turns
  - 3. Current flowing through the conductor
  - 4. Flux

Question ID : 26433096869  
Option 1 ID : 264330380214  
Option 2 ID : 264330380213  
Option 3 ID : 264330380216  
Option 4 ID : 264330380215  
Status : Answered  
Chosen Option : 4

Q.97 In a transformer, the variation of which quantity leads to induce an EMF?

- Ans
- 1. Frequency
  - 2. Current
  - 3. Voltage
  - 4. Magnetic flux

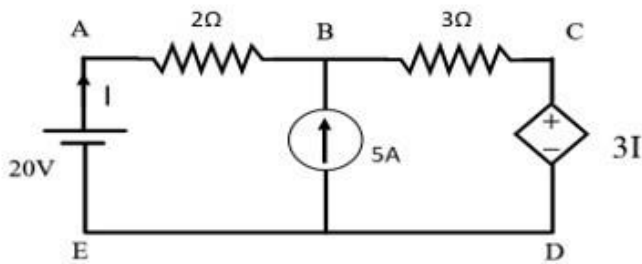
Question ID : 26433096098  
Option 1 ID : 264330377162  
Option 2 ID : 264330377161  
Option 3 ID : 264330377164  
Option 4 ID : 264330377163  
Status : Answered  
Chosen Option : 4

Q.98 A series RLC circuit has the following parameter values:  $R = 5 \Omega$ ,  $L = 0.01 \text{ H}$ ,  $C = 100 \mu\text{F}$ , Voltage source  $(t) = 10 \sin 1000t$ . What is the value of quality factor?

- Ans
- 1. 2.51
  - 2. 1
  - 3. 1.11
  - 4. 2

Question ID : 26433098296  
 Option 1 ID : 264330385840  
 Option 2 ID : 264330385838  
 Option 3 ID : 264330385839  
 Option 4 ID : 264330385837  
 Status : Answered  
 Chosen Option : 3

Q.99 In the circuit shown below, the value of the current I is:



- Ans
- 1.  $\frac{5}{8} \text{ A}$
  - 2. 0A
  - 3.  $-\frac{5}{8} \text{ A}$
  - 4. 1A

Question ID : 26433096457  
 Option 1 ID : 264330378566  
 Option 2 ID : 264330378567  
 Option 3 ID : 264330378565  
 Option 4 ID : 264330378568  
 Status : Answered  
 Chosen Option : 2

Q.100 The bundled conductors can be formed from two or more stranded conductors, bundled together to increase the\_\_\_\_\_.

- Ans
- 1. line inductance
  - 2. current carrying capacity
  - 3. communication line interference
  - 4. copper losses

Question ID : 264330159735

Option 1 ID : 264330626297

Option 2 ID : 264330626296

Option 3 ID : 264330626298

Option 4 ID : 264330626295

Status : Answered

Chosen Option : 2

# SSC JE 2023 Oct 11 Shift 3 Electrical Question Paper with Answers

Section : General Intelligence and Reasoning

Q.1 If '+' means '-', '-' means '+', 'x' means '-', and '÷' means 'x', then what will be the value of the following expression?

$$[(25 \times 16) - (3 \div 2)] + (3 - 2) \div 5$$

- Ans
- 1. 18
  - 2. 10
  - 3. 15
  - 4. 20

Question ID : 264330131558

Option 1 ID : 264330515335

Option 2 ID : 264330515336

Option 3 ID : 264330515337

Option 4 ID : 264330515338

Status : Answered

Chosen Option : 3

Q.2 Eight people are sitting in two parallel rows with four people each in such a way that there is equal distance between adjacent persons.

In row I - E, F, G and H are seated and all of them are facing south.

In row II - U, V, W and X are seated and all of them are facing north.

G sits exactly opposite U, who sits second from the right end of their row. F sits at the extreme right end of their row and is exactly opposite X. E sits between F and G and is exactly opposite V.

Who sits at the extreme left end of the row of people facing South?

- Ans
- 1. E
  - 2. F
  - 3. G
  - 4. H

Question ID : 26433068755

Option 1 ID : 264330269535

Option 2 ID : 264330269532

Option 3 ID : 264330269533

Option 4 ID : 264330269534

Status : Not Answered

Chosen Option : --

Q.3 G is the brother of F. F is B's daughter. D is A's son and C's brother. B is the brother of C. How is B related to A?

- Ans
- 1. Father
  - 2. Father's mother
  - 3. Mother
  - 4. Son

Question ID : 26433089520

Option 1 ID : 264330351584

Option 2 ID : 264330351581

Option 3 ID : 264330351583

Option 4 ID : 264330351582

Status : Answered

Chosen Option : 4

Q.4 Two statements are given followed by two conclusions numbered I and II. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:

Some doctors are scientists.

Some scientists are engineers.

Conclusions:

I. All engineers are doctors.

II. Some doctors are engineers.

- Ans
- 1. Only conclusion I follows
  - 2. Neither conclusion I nor II follows
  - 3. Only conclusion II follows
  - 4. Both conclusions I and II follow

Question ID : 264330144950

Option 1 ID : 264330568055

Option 2 ID : 264330568058

Option 3 ID : 264330568056

Option 4 ID : 264330568057

Status : Answered

Chosen Option : 2

Q.5 Select the word-pair that best represents a similar relationship to the one expressed in the pair of words given below. (The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word.)  
Chicken : Strut

- Ans  1. Mouse : Leap  
 2. Lion : Prowl  
 3. Deer : Glide  
 4. Sparrow : Dive

Question ID : 264330132199  
Option 1 ID : 264330517894  
Option 2 ID : 264330517892  
Option 3 ID : 264330517893  
Option 4 ID : 264330517891  
Status : Answered  
Chosen Option : 1

Q.6 Which of the following numbers will replace the question mark (?) in the given series?

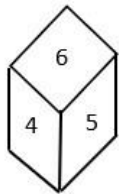
47, 41, 53, ?, 59, 29

- Ans  1. 35  
 2. 55  
 3. 57  
 4. 39

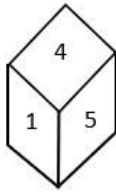
Question ID : 26433091014  
Option 1 ID : 264330357465  
Option 2 ID : 264330357467  
Option 3 ID : 264330357468  
Option 4 ID : 264330357466  
Status : Answered  
Chosen Option : 1



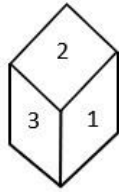
Q.7 Three different positions of the same dice are shown. Find the number on the face opposite to the face showing '6'.



(i)



(ii)



(iii)

- Ans
- 1. 2
  - 2. 4
  - 3. 3
  - 4. 1

Question ID : 264330102495

Option 1 ID : 264330402411

Option 2 ID : 264330402410

Option 3 ID : 264330402412

Option 4 ID : 264330402409

Status : Answered

Chosen Option : 4

Q.8 Select the number from among the given options that can replace the question mark (?) in the following series.  
1, 6, 13, 26, 51, 96, ?

- Ans
- 1. 180
  - 2. 118
  - 3. 108
  - 4. 171

Question ID : 26433079006

Option 1 ID : 264330310031

Option 2 ID : 264330310028

Option 3 ID : 264330310030

Option 4 ID : 264330310029

Status : Not Answered

Chosen Option : --

Q.9 Select the option that is related to the third word in the same way as the second word is related to the first word. (The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word)

Drone : Bee :: Colt : ?

Ans  1. Cow

2. Doe

3. Vixen

4. Filly

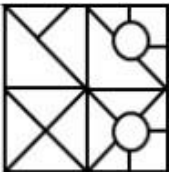
Question ID : 264330144510  
Option 1 ID : 264330566298  
Option 2 ID : 264330566296  
Option 3 ID : 264330566295  
Option 4 ID : 264330566297  
Status : Answered  
Chosen Option : 4

Q.10 Select the option in which the given figure is embedded (rotation is NOT allowed).

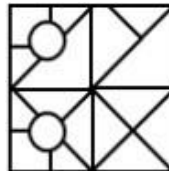


Ans

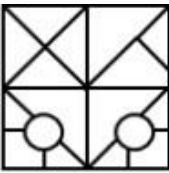
1.



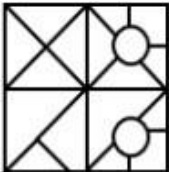
2.



3.



4.



Question ID : 264330126088  
Option 1 ID : 264330494024  
Option 2 ID : 264330494027  
Option 3 ID : 264330494026  
Option 4 ID : 264330494025  
Status : Answered  
Chosen Option : 2

Q.11 In this question, three statements are given, followed by two conclusions numbered I and II. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusion(s) logically follows/follow from the statements.

Statements:

Some pens are sharpeners.  
Some sharpeners are pencils.  
All pencils are erasers.

Conclusions:

I. Some erasers are sharpeners.  
II. Some pens are erasers.

- Ans  1. Only conclusion II follows.  
 2. Only conclusion I follows.  
 3. Both conclusions I and II follow.  
 4. Neither conclusion I nor II follows.

Question ID : 264330144578  
Option 1 ID : 264330566568  
Option 2 ID : 264330566567  
Option 3 ID : 264330566569  
Option 4 ID : 264330566570  
Status : Answered  
Chosen Option : 2

Q.12 Sonia starts walking from her home and goes 7 m east. From there she turns right and walks a certain distance called P m. Then, she turns left and walks 5 m, now she turns left again and walks 8 m. After that she takes another left turn and walks 12 m. If Sonia's current position is 22 m south of her home, then what is the value of P?

- Ans  1. 30  
 2. 28  
 3. 34  
 4. 22

Question ID : 264330129774  
Option 1 ID : 264330508328  
Option 2 ID : 264330508329  
Option 3 ID : 264330508330  
Option 4 ID : 264330508327  
Status : Answered  
Chosen Option : 1

Q.13 In a certain code language, "XPCF" is written as "WOBE" and "LRVA" is written as "KQUZ". How will "BMWG" be written in that language?

- Ans  1. AMVH  
 2. BMWH  
 3. ANWG  
 4. ALVF

Question ID : 264330130328  
Option 1 ID : 264330510423  
Option 2 ID : 264330510425  
Option 3 ID : 264330510424  
Option 4 ID : 264330510426  
Status : Answered  
Chosen Option : 4

Q.14 Sarah departs from her house and walks 20 m towards East. She then turns left and walks 35 m. Now she turns left again and walks 27 m and stops. How far is she from a pole that is exactly 35 m north of her house? (Assuming that all turns are 90 degree turns only.)

- Ans
- 1. 12 m
  - 2. 47 m
  - 3. 10 m
  - 4. 7 m

Question ID : 264330129769  
Option 1 ID : 264330508310  
Option 2 ID : 264330508307  
Option 3 ID : 264330508309  
Option 4 ID : 264330508308  
Status : Answered  
Chosen Option : 4

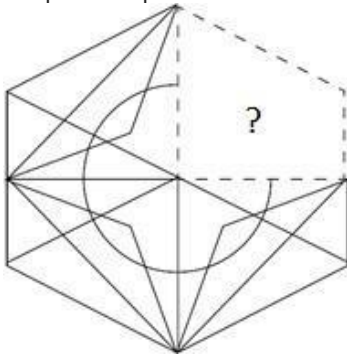
Q.15 Which letter cluster will replace the question mark (?) to complete the given series?

SNR, QQN, OTJ, MWF, ?

- Ans
- 1. JZC
  - 2. KZB
  - 3. KYB
  - 4. KZC

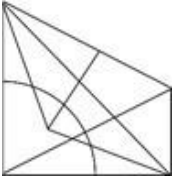
Question ID : 264330144573  
Option 1 ID : 264330566550  
Option 2 ID : 264330566549  
Option 3 ID : 264330566548  
Option 4 ID : 264330566547  
Status : Answered  
Chosen Option : 2

Q.16 Select the figure from the options that can replace the question mark (?) and complete the pattern.

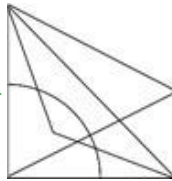


Ans

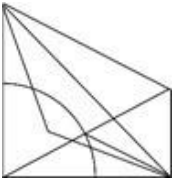
✗ 1.



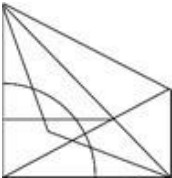
✓ 2.



✗ 3.



✗ 4.



Question ID : 26433092791

Option 1 ID : 264330364453

Option 2 ID : 264330364456

Option 3 ID : 264330364455

Option 4 ID : 264330364454

Status : Answered

Chosen Option : 2

Q.17 Each of the seven friends, Kirti, Siya, Amita, Preeti, Deepika, Jeet and Pari, has scored different marks in an exam. Pari has scored more than Kirti but less than Siya. Deepika has scored less than Preeti but more than Amita. Kirti has scored more than Preeti but less than Pari. Siya is not the highest scorer.

Who has scored the highest marks?

- Ans  1. Preeti  
 2. Jeet  
 3. Amita  
 4. Pari

Question ID : 264330144634  
Option 1 ID : 264330566791  
Option 2 ID : 264330566794  
Option 3 ID : 264330566792  
Option 4 ID : 264330566793  
Status : Answered  
Chosen Option : 2

Q.18 In the following statements A, B, C, D and E denotes +, -, x, ÷ and = respectively, then which of the statement is correct?

- Ans  1. 4A3B5D3E15C6  
 2. 4A3C6D3E15B6  
 3. 4A3C5D3E15B8  
 4. 4A3C5D3E15B6

Question ID : 264330129645  
Option 1 ID : 264330507947  
Option 2 ID : 264330507948  
Option 3 ID : 264330507946  
Option 4 ID : 264330507949  
Status : Answered  
Chosen Option : 4

Q.19 Which letter cluster will replace the question mark (?) to complete the given series?

NGC, PJH, RMM, TPR, ?

- Ans  1. UTY  
 2. VTX  
 3. VSW  
 4. USW

Question ID : 264330144574  
Option 1 ID : 264330566554  
Option 2 ID : 264330566551  
Option 3 ID : 264330566552  
Option 4 ID : 264330566553  
Status : Answered  
Chosen Option : 3

Q.20 In a certain code language, 'SHELF' is coded as '110', and 'TABLE' is coded as '120'.  
How will 'DESK' be coded in that language?

- Ans
- 1. 73
  - 2. 10
  - 3. 69
  - 4. 85

Question ID : 264330144598  
Option 1 ID : 264330566650  
Option 2 ID : 264330566647  
Option 3 ID : 264330566649  
Option 4 ID : 264330566648  
Status : Not Answered  
Chosen Option : --

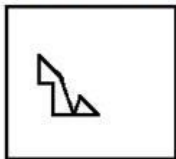
Q.21 Select the combination of letters that when sequentially placed in the blanks of the given series, will complete the series.

R\_JK\_H\_QJ\_I\_R\_JK\_H\_QJ\_IH

- Ans
- 1. QJKRHQIRK
  - 2. QJRKHQRIK
  - 3. QIRKHQIRK
  - 4. QJRKQHIRK

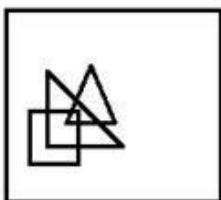
Question ID : 264330144514  
Option 1 ID : 264330566311  
Option 2 ID : 264330566313  
Option 3 ID : 264330566314  
Option 4 ID : 264330566312  
Status : Answered  
Chosen Option : 3

Q.22 Select the option in which the given figure is embedded (rotation is NOT allowed).

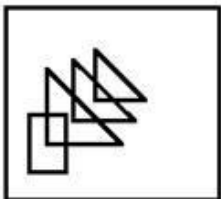


Ans

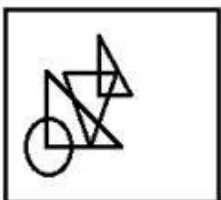
✗ 1.



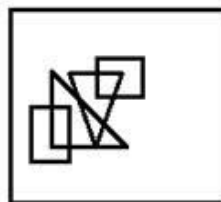
✗ 2.



✗ 3.



✓ 4.



Question ID : 26433068178

Option 1 ID : 264330267226

Option 2 ID : 264330267227

Option 3 ID : 264330267224

Option 4 ID : 264330267225

Status : Answered

Chosen Option : 4



Q.23 Six friends are sitting in a circle. All of them are facing the centre. Samir is an immediate neighbour of Kiran. Gagan is an immediate neighbour of Pran and Vyom. Suman sits second to the right of Gagan. Kiran sits second to the right of Vyom.

Who sits fourth to the left of Vyom?

- Ans
- 1. Samir
  - 2. Suman
  - 3. Kiran
  - 4. Pran

Question ID : 264330144638  
Option 1 ID : 264330566809  
Option 2 ID : 264330566807  
Option 3 ID : 264330566808  
Option 4 ID : 264330566810  
Status : Not Answered  
Chosen Option : --

Q.24 Select the word-pair that best represents a similar relationship to the one expressed in the pair of words given below. (The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word.)  
Bear : Boar

- Ans
- 1. Ox : Cow
  - 2. Chicken : Rooster
  - 3. Goose : Geese
  - 4. Sheep : lamb

Question ID : 264330131984  
Option 1 ID : 264330517032  
Option 2 ID : 264330517034  
Option 3 ID : 264330517031  
Option 4 ID : 264330517033  
Status : Answered  
Chosen Option : 2

Q.25 Select the option that is related to the fourth term in the same way as the first term is related to the second term and the fifth term is related to the sixth term?

16 : 1 :: ? : 3 :: 54 : 2

- Ans
- 1. 108
  - 2. 135
  - 3. 128
  - 4. 142

Question ID : 264330144458  
Option 1 ID : 264330566087  
Option 2 ID : 264330566089  
Option 3 ID : 264330566090  
Option 4 ID : 264330566088  
Status : Not Answered  
Chosen Option : --

Q.26 Select the option that indicates the correct arrangement of the given words in a logical and meaningful order.

1. Deer
2. Elephant
3. Mouse
4. Jackal
5. Cat

Ans  1. 2, 5, 1, 3, 4  
 2. 5, 1, 3, 4, 2  
 3. 3, 5, 4, 1, 2  
 4. 4, 5, 1, 2, 3

Question ID : 26433074674

Option 1 ID : 264330292787

Option 2 ID : 264330292786

Option 3 ID : 264330292785

Option 4 ID : 264330292784

Status : Answered

Chosen Option : 3

Q.27 If

'Z @ S' means 'Z is the father of S';  
Z \* S' means 'Z is the brother of S';  
'Z x S' means 'Z is the father's sister of S';  
'Z # S' means 'Z is the sister of S';  
'Z \$ S' means 'Z is the daughter of S'; and  
'Z = S' means 'Z is the mother of S';  
then how is P related to U in the following expression?  
P x Q \$ R @ S \* T \$ U

Ans  1. Brother  
 2. Brother's son  
 3. Husband's sister  
 4. Daughter

Question ID : 264330144539

Option 1 ID : 264330566412

Option 2 ID : 264330566413

Option 3 ID : 264330566414

Option 4 ID : 264330566411

Status : Answered

Chosen Option : 3

Q.28 If A denotes '+', B denotes 'x', C denotes '-', and D denotes '÷', then what will come in place of '?' in the following equation?  
81 D 9 B 3 C 27 = ?

Ans  1. 3  
 2. 216  
 3. 9  
 4. 0

Question ID : 26433067678

Option 1 ID : 264330265225

Option 2 ID : 264330265227

Option 3 ID : 264330265226

Option 4 ID : 264330265224

Status : Answered

Chosen Option : 4

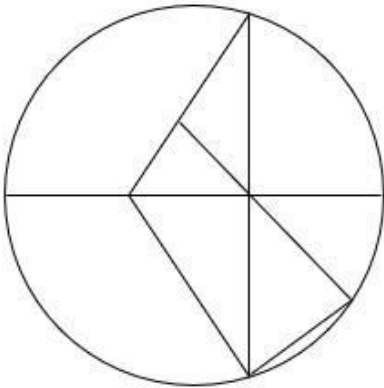
Q.29 Select the option that represents the correct order of the given words as they would appear in an English dictionary.

1. Magnification
2. Magnitude
3. Magnet
4. Maid
5. Magic

- Ans  1. 5, 3, 2, 1, 4  
 2. 5, 3, 1, 2, 4  
 3. 5, 3, 1, 4, 2  
 4. 5, 1, 3, 2, 4

Question ID : 264330129552  
Option 1 ID : 264330507575  
Option 2 ID : 264330507576  
Option 3 ID : 264330507574  
Option 4 ID : 264330507577  
Status : Answered  
Chosen Option : 2

Q.30 How many triangles are there in the given figure?



- Ans  1. 8  
 2. 5  
 3. 7  
 4. 6

Question ID : 26433068139  
Option 1 ID : 264330267071  
Option 2 ID : 264330267070  
Option 3 ID : 264330267068  
Option 4 ID : 264330267069  
Status : Answered  
Chosen Option : 4

Q.31 If A denotes '+', B denotes 'x', C denotes '-', and D denotes '÷', then what will be the value of the following equation?  
22 B 13 C 120 D 30 A 42 = ?

- Ans  1. 324  
 2. 342  
 3. 325  
 4. 352

Question ID : 264330129789  
Option 1 ID : 264330508388  
Option 2 ID : 264330508389  
Option 3 ID : 264330508390  
Option 4 ID : 264330508387  
Status : Not Answered  
Chosen Option : --

Q.32 Select the option that is related to the third word in the same way as the second word is related to the first word. (The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word)

Timid : Bold :: Aggressive : ?

- Ans  1. Docile  
 2. Indifferent  
 3. Brave  
 4. Violent

Question ID : 264330144591  
Option 1 ID : 264330566621  
Option 2 ID : 264330566622  
Option 3 ID : 264330566620  
Option 4 ID : 264330566619  
Status : Answered  
Chosen Option : 1

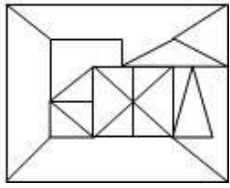
Q.33 Select the option that is related to the third word in the same way as the second word is related to the first word. (The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word)

Metal : Ore :: Jewelry : ?

- Ans  1. Necklace  
 2. Expensive  
 3. Gold smith  
 4. Gold

Question ID : 264330144530  
Option 1 ID : 264330566376  
Option 2 ID : 264330566378  
Option 3 ID : 264330566375  
Option 4 ID : 264330566377  
Status : Answered  
Chosen Option : 4

Q.34 Select the option figure which is embedded in the given figure as its part (rotation is NOT allowed).

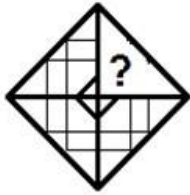


Ans

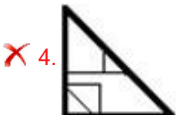
- ✓ 1.
- ✗ 2.
- ✗ 3.
- ✗ 4.

Question ID : 264330144784  
Option 1 ID : 264330567393  
Option 2 ID : 264330567391  
Option 3 ID : 264330567392  
Option 4 ID : 264330567394  
Status : Answered  
Chosen Option : 1

Q.35 Select the figure from the options that can replace the question mark (?) and complete the given pattern.



Ans



Question ID : 26433074808

Option 1 ID : 264330293321

Option 2 ID : 264330293323

Option 3 ID : 264330293320

Option 4 ID : 264330293322

Status : Answered

Chosen Option : 3

Q.36 Select the correct option that indicates the arrangement of the following words in a logical and meaningful order.

1 Cocoon

2 Egg

3 Buttery

4 Caterpillar

Ans ✗ 1. 2, 4, 3, 1

✗ 2. 2, 1, 3, 4

✗ 3. 2, 3, 1, 4

✓ 4. 2, 4, 1, 3

Question ID : 264330129677

Option 1 ID : 264330508074

Option 2 ID : 264330508077

Option 3 ID : 264330508076

Option 4 ID : 264330508075

Status : Answered

Chosen Option : 4

Q.37 Select the option that is related to the third term in the same way as the second term is related to the first term and the sixth term is related to the fifth term.  
784 : 26 :: 961 : ? :: 529 : 21

- Ans  1. 27  
 2. 33  
 3. 31  
 4. 29

Question ID : 26433078938

Option 1 ID : 264330309766

Option 2 ID : 264330309767

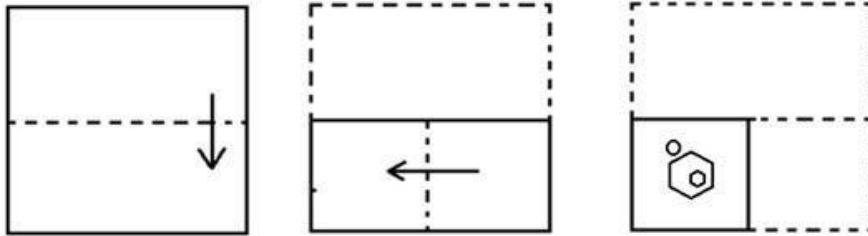
Option 3 ID : 264330309764

Option 4 ID : 264330309765

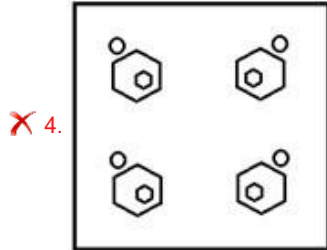
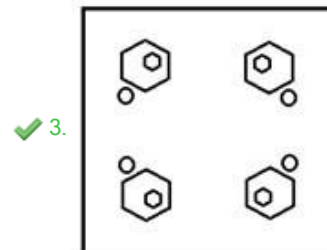
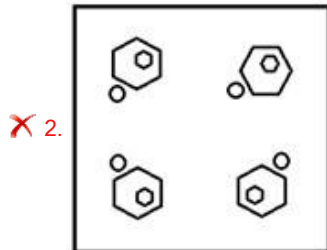
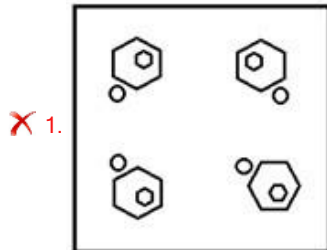
Status : Answered

Chosen Option : 4

Q.38 The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown below. Choose a figure which would most closely resemble the unfolded form of the paper.



Ans



Question ID : 264330103216  
 Option 1 ID : 264330405169  
 Option 2 ID : 264330405171  
 Option 3 ID : 264330405170  
 Option 4 ID : 264330405172  
 Status : Answered  
 Chosen Option : 4



Q.39 Select the combination of letters that when sequentially placed in the blanks of the given series, will complete the series.

S \_ T \_ XW \_ UT \_ X \_ S \_ TV \_ WS \_ \_ VX \_

- Ans  1. VUSVUWXUTW  
 2. UVS VWUXUTW  
 3. VUSVWUXTW  
 4. UVSUWXUTW

Question ID : 264330144515  
Option 1 ID : 264330566318  
Option 2 ID : 264330566317  
Option 3 ID : 264330566316  
Option 4 ID : 264330566315  
Status : Answered  
Chosen Option : 2

Q.40 Select the option that is related to the fifth term in the same way as the second term is related to the first term and the fourth term is related to the third term.  
38 : 555 :: 25 : 360 :: 17 : ?

- Ans  1. 225  
 2. 215  
 3. 240  
 4. 210

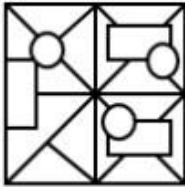
Question ID : 26433078880  
Option 1 ID : 264330309534  
Option 2 ID : 264330309533  
Option 3 ID : 264330309535  
Option 4 ID : 264330309532  
Status : Not Answered  
Chosen Option : --

Q.41 Select the option in which the given figure is embedded (rotation is NOT allowed).

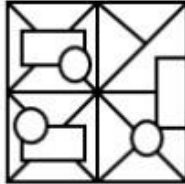


Ans

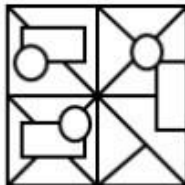
✗ 1.



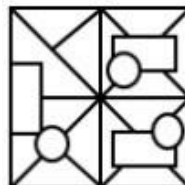
✗ 2.



✗ 3.



✓ 4.



Question ID : 264330126688  
Option 1 ID : 264330496424  
Option 2 ID : 264330496427  
Option 3 ID : 264330496426  
Option 4 ID : 264330496425  
Status : Answered  
Chosen Option : 4

Q.42 Select the option that is related to the third word in the same way as the second word is related to the first word. (The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word)

Seismograph : Earthquake :: Anemometer : ?

Ans ✗ 1. Humidity

✓ 2. Wind

✗ 3. Current

✗ 4. Light

Question ID : 264330144513  
Option 1 ID : 264330566309  
Option 2 ID : 264330566308  
Option 3 ID : 264330566307  
Option 4 ID : 264330566310  
Status : Answered  
Chosen Option : 3

Q.43 Select the option that represents the correct order of the given words as they would appear in an English dictionary.

1. Informer
2. Infested
3. Inferior
4. Infinity
5. Infirmary
6. Initiated

- Ans  1. 3, 2, 5, 4, 6, 1
2. 3, 2, 4, 5, 6, 1
3. 2, 3, 4, 5, 6, 1
4. 2, 3, 4, 5, 1, 6

Question ID : 264330129469  
Option 1 ID : 264330507245  
Option 2 ID : 264330507243  
Option 3 ID : 264330507244  
Option 4 ID : 264330507242  
Status : Answered  
Chosen Option : 2

Q.44 Select the option that is related to the third term in the same way as the second term is related to the first term and the sixth term is related to the fifth term.  
42 : 12 :: 77 : ? :: 91 : 19

- Ans  1. 14
2. 19
3. 15
4. 17

Question ID : 264330126048  
Option 1 ID : 264330493865  
Option 2 ID : 264330493867  
Option 3 ID : 264330493866  
Option 4 ID : 264330493864  
Status : Not Answered  
Chosen Option : --

Q.45 In a code language, 'BROWN' is coded as CTRUM and 'ENTER' is coded as FPWCQ .  
How will 'NOISE' be coded in the same language?

- Ans  1. OQLPD
2. OPKQD
3. OQMPD
4. OQLQD

Question ID : 264330139459  
Option 1 ID : 264330546269  
Option 2 ID : 264330546270  
Option 3 ID : 264330546268  
Option 4 ID : 264330546267  
Status : Answered  
Chosen Option : 4

Q.46 Select the set in which the numbers are related in the same way as are the numbers of the following set.

(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 - Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(20, 8, 4)

(12, 3, 6)

Ans  1. (44, 2, 24)

2. (22, 3, 9)

3. (32, 4, 14)

4. (8, 1, 6)

Question ID : 264330144452  
Option 1 ID : 264330566066  
Option 2 ID : 264330566064  
Option 3 ID : 264330566063  
Option 4 ID : 264330566065  
Status : Answered  
Chosen Option : 4

Q.47 Which of the following numbers will replace the question marks (?) in the given series?

112, 113, 117, ?, 142, 167, ?, 252, 316

Ans  1. 133, 215

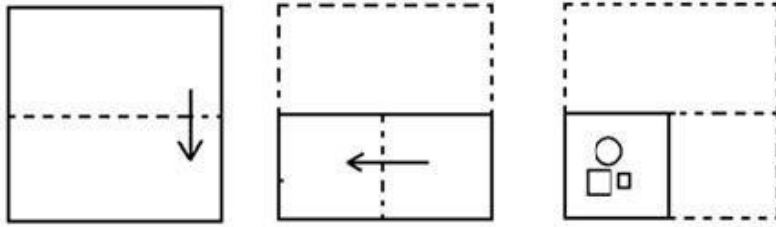
2. 122, 224

3. 126, 203

4. 132, 214

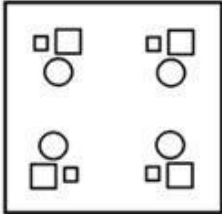
Question ID : 26433096015  
Option 1 ID : 264330376830  
Option 2 ID : 264330376829  
Option 3 ID : 264330376832  
Option 4 ID : 264330376831  
Status : Answered  
Chosen Option : 3

Q.48 The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown below. Choose a figure which would most closely resemble the unfolded form of the paper.

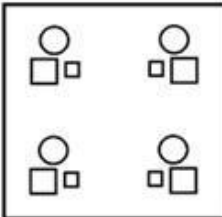


Ans

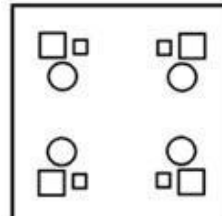
✗ 1.



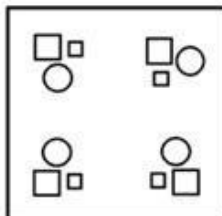
✗ 2.



✓ 3.



✗ 4.



Question ID : 264330103212

Option 1 ID : 264330405154

Option 2 ID : 264330405156

Option 3 ID : 264330405153

Option 4 ID : 264330405155

Status : Answered

Chosen Option : 3

Q.49 In a certain code language, 'CRAZE' is written as '87' and 'MAIZE' is written as '86'.  
How will 'DEPART' be written in that language?

- Ans
- 1. 104
  - 2. 90
  - 3. 110
  - 4. 95

Question ID : 264330144556  
Option 1 ID : 264330566479  
Option 2 ID : 264330566481  
Option 3 ID : 264330566482  
Option 4 ID : 264330566480  
Status : Not Answered  
Chosen Option : --

Q.50 Select the option that represents the letters which, when sequentially placed from left to right in the blanks below, will complete the letter series.  
Z\_\_O\_\_MY\_AZ\_YOA

- Ans
- 1. MYAZOM
  - 2. AOZMYM
  - 3. ZAMOMY
  - 4. YOMZAO

Question ID : 26433086963  
Option 1 ID : 264330341494  
Option 2 ID : 264330341493  
Option 3 ID : 264330341496  
Option 4 ID : 264330341495  
Status : Answered  
Chosen Option : 1

Section : General Awareness

Q.1 Which of the following is the correct match of the column-A with column-B?

Column-A (Lake)	Column-B (Continent)
i. Lake Victoria	a. North America
ii. Lake Superior	b. Australia
iii. Caspian Sea	c. Africa
iv. Lake Eyre	d. Asia

- Ans
- 1. i-c, ii-d, iii-b, iv-a
  - 2. i-c, ii-a, iii-d, iv-b
  - 3. i-c, ii-d, iii-a, iv-b
  - 4. i-d, ii-c, iii-b, iv-a

Question ID : 264330131825  
Option 1 ID : 264330516401  
Option 2 ID : 264330516399  
Option 3 ID : 264330516400  
Option 4 ID : 264330516402  
Status : Not Answered  
Chosen Option : --

Q.2 Which of the following statements is NOT correct about angiosperms?

- Ans
- 1. These plants have covered seeds.
  - 2. Double fertilisation is a characteristic of angiosperms.
  - 3. These are seedless plants.
  - 4. These are also called flowering plants.

Question ID : 264330109909  
Option 1 ID : 264330431916  
Option 2 ID : 264330431915  
Option 3 ID : 264330431913  
Option 4 ID : 264330431914  
Status : Not Answered  
Chosen Option : --

Q.3 What is the unemployment rate (in percent) in urban area as per the report of Periodic Labor Force Survey (PLFS) 2020-21?

- Ans
- 1. 6.7
  - 2. 10.8
  - 3. 4.0
  - 4. 7.2

Question ID : 264330111357  
Option 1 ID : 264330437513  
Option 2 ID : 264330437516  
Option 3 ID : 264330437515  
Option 4 ID : 264330437514  
Status : Not Answered  
Chosen Option : --

Q.4 Who used to supervise the work of collection of revenue in the Mauryan Kingdom?

- Ans
- 1. Samaharta
  - 2. Rajuka
  - 3. Sannidhata
  - 4. Pratedak

Question ID : 264330112135  
Option 1 ID : 264330440625  
Option 2 ID : 264330440627  
Option 3 ID : 264330440626  
Option 4 ID : 264330440628  
Status : Not Answered  
Chosen Option : --

Q.5 The question consists of two statements, namely, Assertion (A) and Reason (R). Use them to choose the correct alternative. Read the following statements and select the correct alternative  
Assertion (A): Expenditure on interest payment is a capital expenditure  
Reason (R): Interest payments neither creates any assets nor causes a reduction in liabilities of the government.

- Ans
- 1. Both A and R are true, and R is the correct explanation of A
  - 2. Both A and R are true, but R is not the correct explanation of A
  - 3. A is false but R is true
  - 4. A is true and R is false

Question ID : 264330108902  
Option 1 ID : 264330427885  
Option 2 ID : 264330427886  
Option 3 ID : 264330427888  
Option 4 ID : 264330427887  
Status : Not Answered  
Chosen Option : --

Q.6 Which is the least populated state according to the census of 2011?

- Ans
- 1. Arunachal Pradesh
  - 2. Nagaland
  - 3. Sikkim
  - 4. Tripura

Question ID : 264330119239  
Option 1 ID : 264330467246  
Option 2 ID : 264330467245  
Option 3 ID : 264330467243  
Option 4 ID : 264330467244  
Status : Answered  
Chosen Option : 3

Q.7 Which of the following groups of rivers is placed in the correct sequence from north to south of the Peninsular River?

- Ans
- 1. Godavari-Krishna-Mahanadi-Kaveri
  - 2. Godavari-Mahanadi-Krishna-Kaveri
  - 3. Mahanadi-Godavari-Krishna-Kaveri
  - 4. Godavari-Krishna-Kaveri-Mahanadi

Question ID : 264330132727  
Option 1 ID : 264330520005  
Option 2 ID : 264330520003  
Option 3 ID : 264330520004  
Option 4 ID : 264330520006  
Status : Not Answered  
Chosen Option : --



Q.8 In September 2022, who among the following was elected as President of Hockey India?

- Ans
- 1. Surender Kumar
  - 2. Dhanraj Pillay
  - 3. Harmanpreet Singh
  - 4. Dilip Tirkey

Question ID : 264330133014  
Option 1 ID : 264330521112  
Option 2 ID : 264330521111  
Option 3 ID : 264330521114  
Option 4 ID : 264330521113  
Status : Not Answered  
Chosen Option : --

Q.9 India's drainage system is divided on the basis of the size of the watershed. Which of the following is NOT a part of the drainage basin of India?

- Ans
- 1. Minor river basin
  - 2. Medium river basin
  - 3. Major river basin
  - 4. Average river basin

Question ID : 26433064100  
Option 1 ID : 264330250994  
Option 2 ID : 264330250993  
Option 3 ID : 264330250992  
Option 4 ID : 264330250995  
Status : Not Answered  
Chosen Option : --

Q.10 Which is a circular basin covering an area of 5.427 million square miles surrounded by North America and Eurasia?

- Ans
- 1. Indian Ocean
  - 2. Arctic Ocean
  - 3. Atlantic Ocean
  - 4. Pacific Ocean

Question ID : 264330110205  
Option 1 ID : 264330433097  
Option 2 ID : 264330433099  
Option 3 ID : 264330433098  
Option 4 ID : 264330433100  
Status : Not Answered  
Chosen Option : --

Q.11 A financial institution can be a banking institution only when it \_\_\_\_\_.

- Ans
- 1. neither performs the function of 'accepting deposits' nor of 'advancing loans'
  - 2. performs the function of 'advancing loans' and not 'accepting deposits'
  - 3. performs both the functions of 'accepting deposits' and 'advancing loans'
  - 4. performs the function of 'accepting deposits' and not 'advancing loans'

Question ID : 264330144408  
Option 1 ID : 264330565890  
Option 2 ID : 264330565888  
Option 3 ID : 264330565889  
Option 4 ID : 264330565887  
Status : Not Answered  
Chosen Option : --

Q.12 Which of the following statements is INCORRECT about vinegar?

- Ans
- 1. Vinegar is a combination of acetic acid and water.
  - 2. It is produced by 2-step fermentation.
  - 3. It is a combination of acetic acid and formic acid.
  - 4. It can be used as a food preservative.

Question ID : 264330112841  
Option 1 ID : 264330443450  
Option 2 ID : 264330443451  
Option 3 ID : 264330443452  
Option 4 ID : 264330443449  
Status : Not Answered  
Chosen Option : --

Q.13 Which of the following statements is INCORRECT with respect to Special Capital Linked Subsidy Scheme for Service Sector?

- Ans
- 1. The Ministry of MSME is the implementing ministry for the scheme.
  - 2. It was launched from Guwahati.
  - 3. It has been launched in 2022.
  - 4. Capital subsidy of 25% will be provided for procurement of Plant & Machinery and service equipment's through institutional credit to the SC-ST MSEs.

Question ID : 264330156914  
Option 1 ID : 264330615032  
Option 2 ID : 264330615033  
Option 3 ID : 264330615031  
Option 4 ID : 264330615034  
Status : Not Answered  
Chosen Option : --

Q.14 Who among the following Bengal Nawabs transferred his capital from Murshidabad to Monghyr?

- Ans
- 1. Alivardi Khan
  - 2. Mir Kasim
  - 3. Mir Jafar
  - 4. Siraj-ud-Daulah

Question ID : 264330109054  
Option 1 ID : 264330428496  
Option 2 ID : 264330428493  
Option 3 ID : 264330428495  
Option 4 ID : 264330428494  
Status : Answered  
Chosen Option : 4

Q.15 How can using templates benefit users when creating a PowerPoint presentation?

- Ans
- 1. Templates enable real-time collaboration with multiple users.
  - 2. Templates automatically generate slide content and animations.
  - 3. Templates provide a consistent design and save time in formatting.
  - 4. Templates allow users to insert audio and video clips into slides.

Question ID : 264330168589  
Option 1 ID : 264330661167  
Option 2 ID : 264330661168  
Option 3 ID : 264330661169  
Option 4 ID : 264330661170  
Status : Not Answered  
Chosen Option : --

Q.16 What is the percentage increase in the total literacy rate in 2011 over 2001?

- Ans
- 1. 8.99%
  - 2. 8.67%
  - 3. 7.90%
  - 4. 9.21%

Question ID : 264330119815  
Option 1 ID : 264330469536  
Option 2 ID : 264330469537  
Option 3 ID : 264330469535  
Option 4 ID : 264330469538  
Status : Not Answered  
Chosen Option : --

Q.17 Which of the following is Mohr's salt, used in analytical chemistry as a preferred source of ferrous ions?

- Ans
- 1.  $\text{FeC}_2\text{O}_4 \cdot 6\text{H}_2\text{O}$
  - 2.  $\text{FeSO}_4 \cdot (\text{NH}_4)_2\text{SO}_4 \cdot 6\text{H}_2\text{O}$
  - 3.  $\text{K}_4[\text{Fe}(\text{CN})_6] \cdot 6\text{H}_2\text{O}$
  - 4.  $\text{C}_4\text{H}_2\text{FeO}_4 \cdot 6\text{H}_2\text{O}$

Question ID : 264330133267  
Option 1 ID : 264330522118  
Option 2 ID : 264330522115  
Option 3 ID : 264330522116  
Option 4 ID : 264330522117  
Status : Not Answered  
Chosen Option : --

Q.18 What work was published by John Dalton in 1808 that provided a physical picture of how elements combine to form compounds and an unprecedented reason to believe that atoms exist?

- Ans
- 1. From Chemical Philosophy to Theoretical Chemistry
  - 2. Introduction to the Study of Chemical Philosophy
  - 3. A New System of Chemical Philosophy
  - 4. Lessons in Chemical Philosophy

Question ID : 264330141678  
Option 1 ID : 264330555031  
Option 2 ID : 264330555033  
Option 3 ID : 264330555032  
Option 4 ID : 264330555034  
Status : Not Answered  
Chosen Option : --

Q.19 The idea of Fundamental Duties has been borrowed from the Constitution of:

- Ans
- 1. The UK
  - 2. Ireland
  - 3. The US
  - 4. USSR

Question ID : 26433089956  
Option 1 ID : 264330353301  
Option 2 ID : 264330353302  
Option 3 ID : 264330353303  
Option 4 ID : 264330353304  
Status : Answered  
Chosen Option : 3

Q.20 What was the motto of the National Games of India 2022?

- Ans  1. Celebrating unity through sports  
 2. Celebrating brotherhood through sports  
 3. Celebrating sports through unity  
 4. Celebrating diversity through sports

Question ID : 264330119249  
Option 1 ID : 264330467285  
Option 2 ID : 264330467286  
Option 3 ID : 264330467283  
Option 4 ID : 264330467284  
Status : Not Answered  
Chosen Option : --

Q.21 In which state of India is the Bhadla Solar Power Park established?

- Ans  1. Rajasthan  
 2. Madhya Pradesh  
 3. Odisha  
 4. Gujarat

Question ID : 264330138064  
Option 1 ID : 264330540863  
Option 2 ID : 264330540864  
Option 3 ID : 264330540865  
Option 4 ID : 264330540866  
Status : Not Answered  
Chosen Option : --

Q.22 Domingo Paes was a \_\_\_\_\_ traveller, who visited the Vijayanagara empire in the 16th century.

- Ans  1. Portuguese  
 2. Italian  
 3. Spanish  
 4. Russian

Question ID : 26433089875  
Option 1 ID : 264330352978  
Option 2 ID : 264330352980  
Option 3 ID : 264330352979  
Option 4 ID : 264330352977  
Status : Not Answered  
Chosen Option : --

Q.23 Which of the following is a hydroxybenzaldehyde that possesses a hydroxy substituent at position 2 extracted from the herb 'meadow sweet'?

- Ans
- 1. Acetaldehyde
  - 2. Cinnamaldehyde
  - 3. Formaldehyde
  - 4. Salicylaldehyde

Question ID : 264330114591  
Option 1 ID : 264330450450  
Option 2 ID : 264330450451  
Option 3 ID : 264330450449  
Option 4 ID : 264330450452  
Status : Not Answered  
Chosen Option : --

Q.24 According to the Census of India 2011, identify the least lite rate state.

- Ans
- 1. Bihar
  - 2. Rajasthan
  - 3. Uttar Pradesh
  - 4. Madhya Pradesh

Question ID : 264330157094  
Option 1 ID : 264330615747  
Option 2 ID : 264330615750  
Option 3 ID : 264330615748  
Option 4 ID : 264330615749  
Status : Answered  
Chosen Option : 1

Q.25 Which are the two most common minerals found in rocks?

- Ans
- 1. Amphibole and olivine
  - 2. Mica and calcite
  - 3. Bauxite and Calcite
  - 4. Feldspar and quartz

Question ID : 264330135591  
Option 1 ID : 264330531264  
Option 2 ID : 264330531263  
Option 3 ID : 264330531266  
Option 4 ID : 264330531265  
Status : Answered  
Chosen Option : 4

Q.26 In which of the following states of India is the legislative assembly election held in late 2022?

- Ans
- 1. Rajasthan
  - 2. Karnataka
  - 3. Himachal Pradesh
  - 4. Nagaland

Question ID : 26433090626  
Option 1 ID : 264330355927  
Option 2 ID : 264330355926  
Option 3 ID : 264330355928  
Option 4 ID : 264330355925  
Status : Answered  
Chosen Option : 2

Q.27 Which of the following countries is the host of the Asian boxing Championship 2022?

- Ans
- 1. Jordan
  - 2. Russia
  - 3. Iran
  - 4. Kazakhstan

Question ID : 264330109715  
Option 1 ID : 264330431137  
Option 2 ID : 264330431140  
Option 3 ID : 264330431138  
Option 4 ID : 264330431139  
Status : Not Answered  
Chosen Option : --

Q.28 Acidified  $\text{KMnO}_4$  can be used:

- Ans
- 1. to get carboxylic acids directly from alcohol
  - 2. to get formic acid from formaldehyde
  - 3. to get alcohol directly from carboxylic acids
  - 4. to get glycerol from glucose

Question ID : 264330118019  
Option 1 ID : 264330463891  
Option 2 ID : 264330463893  
Option 3 ID : 264330463892  
Option 4 ID : 264330463894  
Status : Not Answered  
Chosen Option : --

Q.29 Sulochana Chavan is associated with \_\_\_\_\_ folk music.

- Ans  1. Pandavani  
 2. Lavani Geet  
 3. Bihu Geet  
 4. Baul

Question ID : 26433082117  
Option 1 ID : 264330322304  
Option 2 ID : 264330322301  
Option 3 ID : 264330322303  
Option 4 ID : 264330322302  
Status : Not Answered  
Chosen Option : --

Q.30 What architecture is the famous black pagoda temple situated in Konark?

- Ans  1. Dravid architecture  
 2. Champa architecture  
 3. Kalinga architecture  
 4. Gadaga architecture

Question ID : 26433072659  
Option 1 ID : 264330284899  
Option 2 ID : 264330284898  
Option 3 ID : 264330284897  
Option 4 ID : 264330284896  
Status : Answered  
Chosen Option : 1

Q.31 The 'PRASHAD' scheme of the Government of India is associated with which ministry of the government?

- Ans  1. Tribal Affairs  
 2. Education  
 3. Tourism  
 4. Culture

Question ID : 264330158456  
Option 1 ID : 264330621185  
Option 2 ID : 264330621184  
Option 3 ID : 264330621186  
Option 4 ID : 264330621183  
Status : Not Answered  
Chosen Option : --



Q.32 Which of following was established in Madras in 1864?

- Ans  1. Brahmo Samaj  
 2. Veda Samaj  
 3. Singh Sabha Samaj  
 4. Arya Mahila Samaj

Question ID : 264330111405  
Option 1 ID : 264330437707  
Option 2 ID : 264330437706  
Option 3 ID : 264330437708  
Option 4 ID : 264330437705  
Status : Not Answered  
Chosen Option : --

Q.33 Which of the following articles guarantees that no person shall be punished on the basis of laws enacted after a crime has been committed?

- Ans  1. Article 20  
 2. Article 19  
 3. Article 21  
 4. Article 22

Question ID : 264330112755  
Option 1 ID : 264330443106  
Option 2 ID : 264330443105  
Option 3 ID : 264330443107  
Option 4 ID : 264330443108  
Status : Answered  
Chosen Option : 3

Q.34 In order to claim the accumulation of income, trusts or charitable institutions must file Form 9A and Form 10 at least \_\_\_\_\_ prior to the deadline for filing the return of income as per Finance Bill 2023.

- Ans  1. 1 month  
 2. 6 months  
 3. 3 months  
 4. 2 months

Question ID : 264330156938  
Option 1 ID : 264330615127  
Option 2 ID : 264330615129  
Option 3 ID : 264330615128  
Option 4 ID : 264330615130  
Status : Not Answered  
Chosen Option : --

Q.35 Which of the following connects the continental shelf and the ocean basins?

- Ans
- 1. Deep sea plains
  - 2. Mid oceanic ridges
  - 3. Seamount
  - 4. Continental slope

Question ID : 264330113363  
Option 1 ID : 264330445539  
Option 2 ID : 264330445540  
Option 3 ID : 264330445537  
Option 4 ID : 264330445538  
Status : Not Answered  
Chosen Option : --

Q.36 In which century was the Kuchipudi style of Yakshagaana conceived by Siddhendra Yogi?

- Ans
- 1. 16<sup>th</sup>
  - 2. 17<sup>th</sup>
  - 3. 15<sup>th</sup>
  - 4. 14<sup>th</sup>

Question ID : 26433090715  
Option 1 ID : 264330356283  
Option 2 ID : 264330356284  
Option 3 ID : 264330356282  
Option 4 ID : 264330356281  
Status : Not Answered  
Chosen Option : --

Q.37 Which of the following food groups is rich source of Vitamin B12?

- Ans
- 1. Cereals and grains products
  - 2. Pulses and legumes
  - 3. Milk and meat products
  - 4. Fruits and vegetables

Question ID : 264330113328  
Option 1 ID : 264330445397  
Option 2 ID : 264330445398  
Option 3 ID : 264330445399  
Option 4 ID : 264330445400  
Status : Not Answered  
Chosen Option : --

Q.38 Identify the INCORRECT statement about fermentation.

- Ans
- 1. The fermentation technique is used to make breads.
  - 2. Yeast is used in fermentation technology to prepare alcohol.
  - 3. It is the process of breaking down sugar into alcohol.
  - 4. Fermentation occurs only in fungal cells.

Question ID : 264330109936  
Option 1 ID : 264330432022  
Option 2 ID : 264330432023  
Option 3 ID : 264330432021  
Option 4 ID : 264330432024  
Status : Answered  
Chosen Option : 4

Q.39 Chhau is a recognised dance form, for which Shashidhar Acharya received the Padma Shri. To which part of the country does this dance form belong?

- Ans
- 1. Western
  - 2. Eastern
  - 3. Southern
  - 4. Central

Question ID : 26433064800  
Option 1 ID : 264330253794  
Option 2 ID : 264330253792  
Option 3 ID : 264330253793  
Option 4 ID : 264330253795  
Status : Not Answered  
Chosen Option : --

Q.40 Which of the following food additives are helpful to combine products containing immiscible food ingredients, such as oil and water, with one another?

- Ans
- 1. Food sweeteners
  - 2. Food emulsifiers
  - 3. Food preservatives
  - 4. Food stabilisers

Question ID : 264330112840  
Option 1 ID : 264330443447  
Option 2 ID : 264330443446  
Option 3 ID : 264330443448  
Option 4 ID : 264330443445  
Status : Not Answered  
Chosen Option : --

Q.41 According to \_\_\_\_\_ of the Constitution of India, no person shall be compelled to pay any taxes for the promotion of a particular religion.

- Ans
- 1. Article 28
  - 2. Article 25
  - 3. Article 26
  - 4. Article 27

Question ID : 264330130433  
Option 1 ID : 264330510846  
Option 2 ID : 264330510843  
Option 3 ID : 264330510844  
Option 4 ID : 264330510845  
Status : Not Answered  
Chosen Option : --

Q.42 Who studied ecological succession in the Indiana Dunes of Northwest Indiana in the 1890s?

- Ans
- 1. Frederic Clements
  - 2. Henry Chandler Cowles
  - 3. G Evelyn Hutchinson
  - 4. Charles Elton

Question ID : 264330144347  
Option 1 ID : 264330565647  
Option 2 ID : 264330565650  
Option 3 ID : 264330565649  
Option 4 ID : 264330565648  
Status : Not Answered  
Chosen Option : --

Q.43 Burnpur in West Bengal is famous for which of the following industries?

- Ans
- 1. Software industry
  - 2. Iron and steel industry
  - 3. Ship building industry
  - 4. Aeronautics industry

Question ID : 264330113270  
Option 1 ID : 264330445168  
Option 2 ID : 264330445165  
Option 3 ID : 264330445167  
Option 4 ID : 264330445166  
Status : Not Answered  
Chosen Option : --

Q.44 Which of the following Articles of the Indian Constitution mentioned that the Prime Minister is appointed by the President of India?

- Ans
- 1. 71
  - 2. 70
  - 3. 75
  - 4. 57

Question ID : 264330120160  
Option 1 ID : 264330470897  
Option 2 ID : 264330470898  
Option 3 ID : 264330470895  
Option 4 ID : 264330470896  
Status : Not Answered  
Chosen Option : --

Q.45 The Board of Control established to control company affairs had how many members?

- Ans
- 1. Three
  - 2. Four
  - 3. Five
  - 4. Six

Question ID : 264330112170  
Option 1 ID : 264330440765  
Option 2 ID : 264330440766  
Option 3 ID : 264330440767  
Option 4 ID : 264330440768  
Status : Not Answered  
Chosen Option : --

Q.46 In June 2022, who among the following took an oath as Delhi High Court Chief Justice?

- Ans
- 1. Justice Vipin Sanghi
  - 2. Justice Satish Chandra Sharma
  - 3. Justice Dhirubhai Naranbhai Patel
  - 4. Justice Sanjay Karol

Question ID : 264330137299  
Option 1 ID : 264330537824  
Option 2 ID : 264330537825  
Option 3 ID : 264330537823  
Option 4 ID : 264330537826  
Status : Not Answered  
Chosen Option : --

Q.47 The salaries and allowances of the Speaker and the Deputy Speaker of the Legislative Assembly and Chairman and Deputy Chairman of the State Legislative Council are fixed by the \_\_\_\_\_.

- Ans
- 1. State legislature
  - 2. Chief Minister
  - 3. State Cabinet
  - 4. Governor of the State

Question ID : 264330130496  
Option 1 ID : 264330511096  
Option 2 ID : 264330511097  
Option 3 ID : 264330511098  
Option 4 ID : 264330511095  
Status : Answered  
Chosen Option : 1

Q.48 Which period best defines the period of the first Green Revolution in India?

- Ans
- 1. Mid 1990s to early 2010s
  - 2. Mid 1960s to early 1980s
  - 3. Mid 1950s to early 1960s
  - 4. Mid 1980s to early 1990s

Question ID : 264330112900  
Option 1 ID : 264330443688  
Option 2 ID : 264330443686  
Option 3 ID : 264330443685  
Option 4 ID : 264330443687  
Status : Not Answered  
Chosen Option : --

Q.49 Which option allows you to import recipient addresses from a spreadsheet when creating mailing labels in MS Word?

- Ans
- 1. Mail Merge Wizard
  - 2. Merge and Print
  - 3. Create Labels
  - 4. Import Data

Question ID : 264330168597  
Option 1 ID : 264330661201  
Option 2 ID : 264330661200  
Option 3 ID : 264330661202  
Option 4 ID : 264330661199  
Status : Not Answered  
Chosen Option : --

Q.50 Which of the following musical instruments was played by Ustad Bismillah Khan on the eve of India's independence in the year 1947?

- Ans
- 1. Bansuri
  - 2. Bugle
  - 3. Sarangi
  - 4. Shehnai

Question ID : 26433071510  
Option 1 ID : 264330280467  
Option 2 ID : 264330280465  
Option 3 ID : 264330280466  
Option 4 ID : 264330280464  
Status : Answered  
Chosen Option : 4

Section : General Engineering Electrical

Q.1 Which option among the following is correctly associated with the 'Auxiliary motor starting'?

- Ans
- 1. A small direct-coupled induction motor, called pony motor, is used for the starting purpose of the synchronous motor.
  - 2. A squirrel cage winding is used for the starting purpose of the starting of the synchronous motor.
  - 3. A DC supply and DC compound motor is used for the starting purpose of the starting of the synchronous motor.
  - 4. A damper winding is used for the starting purpose of the starting of the synchronous motor.

Question ID : 264330164908  
Option 1 ID : 264330646760  
Option 2 ID : 264330646762  
Option 3 ID : 264330646761  
Option 4 ID : 264330646759  
Status : Answered  
Chosen Option : 1

Q.2 Which of the following is the application of soft magnetic materials?

- Ans
- 1. Electromagnets
  - 2. Speakers
  - 3. Permanent magnets
  - 4. Microphones

Question ID : 26433096874  
Option 1 ID : 264330380236  
Option 2 ID : 264330380234  
Option 3 ID : 264330380233  
Option 4 ID : 264330380235  
Status : Answered  
Chosen Option : 3

Q.3 FET is like a switched on condition when it operates in \_\_\_\_\_ mode.

- Ans
- 1. ohmic
  - 2. cut off
  - 3. inversion
  - 4. saturation

Question ID : 264330159778  
Option 1 ID : 264330626459  
Option 2 ID : 264330626461  
Option 3 ID : 264330626462  
Option 4 ID : 264330626460  
Status : Answered  
Chosen Option : 4

Q.4 Which of the following parts is NOT present in a typical brushless DC motor?

- Ans
- 1. Commutator
  - 2. Fixed armature
  - 3. Electronic controller
  - 4. Permanent magnet

Question ID : 264330164861  
Option 1 ID : 264330646572  
Option 2 ID : 264330646573  
Option 3 ID : 264330646571  
Option 4 ID : 264330646574  
Status : Answered  
Chosen Option : 3

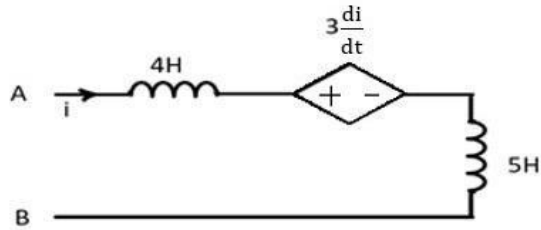
Q.5 In case of circuit laws, the currents flowing in various conductors in an electrical circuit are calculated by applying \_\_\_\_ .

- Ans
- 1. Kirchhoff's law
  - 2. the direct method
  - 3. the network reduction method
  - 4. Laplace's law

Question ID : 264330160079  
Option 1 ID : 264330627657  
Option 2 ID : 264330627655  
Option 3 ID : 264330627656  
Option 4 ID : 264330627658  
Status : Answered  
Chosen Option : 1



Q.6 Find the value of the equivalent inductance as seen from the open terminal for the diagram shown below.



- Ans
- 1. 12H
  - 2. 10H
  - 3. 9H
  - 4. 24H

Question ID : 26433096409  
Option 1 ID : 264330378373  
Option 2 ID : 264330378375  
Option 3 ID : 264330378374  
Option 4 ID : 264330378376  
Status : Answered  
Chosen Option : 3

Q.7 When two or more sinusoidal waves are precisely in step with one another, they are said to be:

- Ans
- 1. 60 degrees leading
  - 2. out of phase
  - 3. 60 degrees lagging
  - 4. in phase

Question ID : 26433096118  
Option 1 ID : 264330377244  
Option 2 ID : 264330377242  
Option 3 ID : 264330377243  
Option 4 ID : 264330377241  
Status : Answered  
Chosen Option : 2

Q.8 The depletion layer capacitance is essentially the capacitance of a \_\_\_\_\_ p-n junction.

- Ans
- 1. reverse-bias
  - 2. saturated
  - 3. cut-off
  - 4. forward-bias

Question ID : 26433098137  
Option 1 ID : 264330385202  
Option 2 ID : 264330385203  
Option 3 ID : 264330385204  
Option 4 ID : 264330385201  
Status : Answered  
Chosen Option : 4

Q.9 Which of the following lamps is suitable for highway lighting?

- Ans
- 1. Neon lamp
  - 2. Incandescent lamp
  - 3. Fluorescent lamp
  - 4. Sodium vapour light

Question ID : 264330158185  
Option 1 ID : 264330620102  
Option 2 ID : 264330620101  
Option 3 ID : 264330620099  
Option 4 ID : 264330620100  
Status : Answered  
Chosen Option : 4

Q.10 In case of magnetic circuits, the product of the number of turns on a coil and the current flowing through the coil is called \_\_\_\_\_.

- Ans
- 1. relative permeability
  - 2. EMF
  - 3. MMF
  - 4. absolute permeability

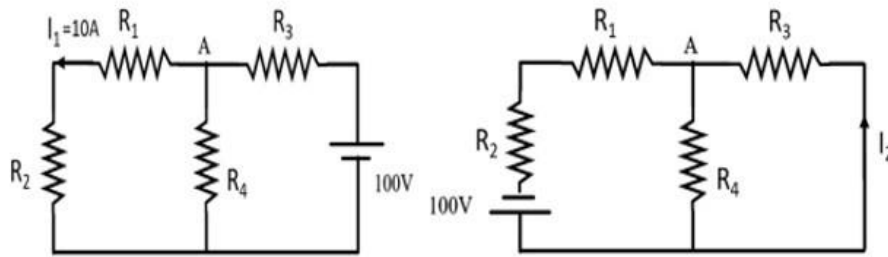
Question ID : 264330157667  
Option 1 ID : 264330618030  
Option 2 ID : 264330618028  
Option 3 ID : 264330618027  
Option 4 ID : 264330618029  
Status : Answered  
Chosen Option : 3

Q.11 What kind of error does it constitute if only one of the parties to a contract misunderstands its terms or scope?

- Ans
- 1. Bilateral mistake
  - 2. Multilateral mistake
  - 3. Mutual mistake
  - 4. Unilateral mistake

Question ID : 264330158156  
Option 1 ID : 264330619985  
Option 2 ID : 264330619984  
Option 3 ID : 264330619983  
Option 4 ID : 264330619986  
Status : Answered  
Chosen Option : 4

Q.12 The value of the current  $I_2$  if  $I_1$  is equal to 10A, is:



- Ans
- 1. 0 A
  - 2.  $\frac{100}{R_2}$  A
  - 3.  $\frac{100}{R_3}$  A
  - 4. 10 A

Question ID : 26433096472  
 Option 1 ID : 264330378628  
 Option 2 ID : 264330378626  
 Option 3 ID : 264330378625  
 Option 4 ID : 264330378627

Status : Answered

Chosen Option : 3

Q.13 Which of the following is NOT a desirable criteria for an underground cable?

- Ans
- 1. Proper insulation thickness should be taken care of in order to provide greater degree of safety
  - 2. Mechanical protection is not required in any underground cable
  - 3. Conductors should be used such that heating loss is minimum
  - 4. Conductors used in the cable should be stranded

Question ID : 264330158126  
 Option 1 ID : 264330619866  
 Option 2 ID : 264330619865  
 Option 3 ID : 264330619864  
 Option 4 ID : 264330619863

Status : Answered

Chosen Option : 2

Q.14 How does the input impedance of a CRO affect its deflection sensitivity?

- Ans
- 1. It is directly proportional at low input impedance and inversely proportional at high input impedance
  - 2. Higher input impedance leads to higher deflection sensitivity
  - 3. Lower input impedance leads to higher deflection sensitivity
  - 4. The input impedance does not affect deflection sensitivity

Question ID : 264330157580  
Option 1 ID : 264330617681  
Option 2 ID : 264330617680  
Option 3 ID : 264330617679  
Option 4 ID : 264330617682  
Status : Answered  
Chosen Option : 2

Q.15 To measure the frequency of a waveform, which of the following data is necessary from the CRO?

- Ans
- 1. Amplitude of the waveform
  - 2. Time period of the waveform
  - 3. Peak to peak value of the waveform
  - 4. Vertical scale setting

Question ID : 264330157575  
Option 1 ID : 264330617659  
Option 2 ID : 264330617661  
Option 3 ID : 264330617660  
Option 4 ID : 264330617662  
Status : Answered  
Chosen Option : 2

Q.16 In the split-phase induction motor, the starting torque of the resistance start motor is about \_\_\_\_\_ the full load torque.

- Ans
- 1. 15 times
  - 2. 1.5 times
  - 3. 150 times
  - 4. 0.15 times

Question ID : 264330164888  
Option 1 ID : 264330646681  
Option 2 ID : 264330646680  
Option 3 ID : 264330646682  
Option 4 ID : 264330646679  
Status : Answered  
Chosen Option : 2

Q.17 An RLC series circuit has  $R = 5 \Omega$  and  $L = 1 \text{ H}$ . Which of the following values of capacitance will make this circuit critically damped?

- Ans  1. 0.16 F  
 2. 0.30 F  
 3. 0.08 F  
 4. 0.20 F

Question ID : 264330159436  
Option 1 ID : 264330625103  
Option 2 ID : 264330625106  
Option 3 ID : 264330625104  
Option 4 ID : 264330625105  
Status : Not Answered  
Chosen Option : --

Q.18 Select the INCORRECT statement(s) regarding squirrel-cage induction generators used in wind power plants.

- A) They can be used in both constant-speed and variable-speed applications.  
B) They work within a narrow speed range, which is slightly above the synchronous speed.  
C) Squirrel-cage induction generators are more expensive than wound-rotor induction generators.

- Ans  1. Only C  
 2. Only B  
 3. Only A  
 4. A and B

Question ID : 264330158067  
Option 1 ID : 264330619629  
Option 2 ID : 264330619628  
Option 3 ID : 264330619627  
Option 4 ID : 264330619630  
Status : Answered  
Chosen Option : 1

Q.19 If a current varies periodically from zero to maximum, back to zero and then repeats, the signal is a:

- Ans  1. direct signal  
 2. pulsating signal  
 3. constant signal  
 4. sinusoidal signal

Question ID : 26433098300  
Option 1 ID : 264330385854  
Option 2 ID : 264330385856  
Option 3 ID : 264330385855  
Option 4 ID : 264330385853  
Status : Answered  
Chosen Option : 2

Q.20 A resistor of resistance  $R$   $\Omega$  is connected in series with a coil having an inductance of  $L$  henry. If  $X_L$  is the value of inductive reactance, what is the value of net impedance of the circuit?

Ans

1.  $\frac{\sqrt{X_L}}{R}$

2.  $\sqrt{R^2 - X_L^2}$

3.  $\frac{\sqrt{R}}{X_L}$

4.  $\sqrt{R^2 + X_L^2}$

Question ID : 26433096121

Option 1 ID : 264330377255

Option 2 ID : 264330377254

Option 3 ID : 264330377256

Option 4 ID : 264330377253

Status : Answered

Chosen Option : 4

Q.21 Power factor of an IM is low at \_\_\_\_\_.

Ans  1. full load

2. quarter load

3. no load

4. half load

Question ID : 26433099606

Option 1 ID : 264330391037

Option 2 ID : 264330391040

Option 3 ID : 264330391038

Option 4 ID : 264330391039

Status : Answered

Chosen Option : 3

Q.22 A constant voltage source is applied between the two ends of a wire. If the length of the wire is doubled and the radius remains the same, then the rate of heat developed in the wire \_\_\_\_\_.

Ans  1. will be zero

2. will be 4 times

3. will remain the same

4. will be halved

Question ID : 264330160206

Option 1 ID : 264330628165

Option 2 ID : 264330628166

Option 3 ID : 264330628163

Option 4 ID : 264330628164

Status : Answered

Chosen Option : 3

Q.23 If 15A current is flowing through a solenoid of inductance 4H, find the magnetic energy stored in the solenoid.

- Ans
- 1. 540 J
  - 2. 450 J
  - 3. 100 J
  - 4. 1000 J

Question ID : 264330160224  
Option 1 ID : 264330628236  
Option 2 ID : 264330628237  
Option 3 ID : 264330628235  
Option 4 ID : 264330628238  
Status : Answered  
Chosen Option : 2

Q.24 The type of armature winding used in large high-voltage alternators is:

- Ans
- 1. two layer winding
  - 2. wave winding
  - 3. lap winding
  - 4. concentric winding

Question ID : 26433099514  
Option 1 ID : 264330390669  
Option 2 ID : 264330390672  
Option 3 ID : 264330390671  
Option 4 ID : 264330390670  
Status : Answered  
Chosen Option : 3

Q.25 An electro-dynamometer is widely used as a \_\_\_\_\_.

- Ans
- 1. low impedance circuit
  - 2. transfer instrument
  - 3. calibration instrument
  - 4. calibration instrument and transfer instrument

Question ID : 264330100758  
Option 1 ID : 264330395580  
Option 2 ID : 264330395578  
Option 3 ID : 264330395577  
Option 4 ID : 264330395579  
Status : Answered  
Chosen Option : 4

Q.26 In Bipolar Junction Transistor, for amplification purposes, emitter-base junction is \_\_\_\_\_ and collector-base junction is \_\_\_\_\_ biased.

- Ans
- 1. reverse; forward
  - 2. reverse; reverse
  - 3. forward; reverse
  - 4. forward; forward

Question ID : 264330159771  
Option 1 ID : 264330626433  
Option 2 ID : 264330626434  
Option 3 ID : 264330626432  
Option 4 ID : 264330626431  
Status : Answered  
Chosen Option : 3

Q.27 In electrical applications, the coil of an infrared lamp is made up of \_\_\_\_\_.

- Ans
- 1. iron
  - 2. nichrome
  - 3. tungsten
  - 4. copper

Question ID : 264330157600  
Option 1 ID : 264330617759  
Option 2 ID : 264330617762  
Option 3 ID : 264330617761  
Option 4 ID : 264330617760  
Status : Answered  
Chosen Option : 3

Q.28 Which of the following is NOT an application of shaded-pole induction motor?

- Ans
- 1. A lift of a building
  - 2. Table fan
  - 3. Hair drier
  - 4. Fans for refrigeration

Question ID : 264330164877  
Option 1 ID : 264330646635  
Option 2 ID : 264330646636  
Option 3 ID : 264330646637  
Option 4 ID : 264330646638  
Status : Answered  
Chosen Option : 1



Q.29 What is the magnetising current of a transformer?

- Ans
- 1. The current drawn by the secondary winding when a load is connected.
  - 2. The current flowing through the ferromagnetic core.
  - 3. The current drawn by the primary winding when the secondary is on open circuit.
  - 4. The current flowing through the insulation between the primary and secondary windings.

Question ID : 264330162919  
Option 1 ID : 264330638992  
Option 2 ID : 264330638993  
Option 3 ID : 264330638991  
Option 4 ID : 264330638994  
Status : Answered  
Chosen Option : 3

Q.30 Which of the following types of cooling is more economical for very large transformers of rating 100 MVA?

- Ans
- 1. Oil natural air forced
  - 2. Oil forced air forced
  - 3. Oil forced water forced
  - 4. Oil natural air natural

Question ID : 264330163316  
Option 1 ID : 264330640564  
Option 2 ID : 264330640565  
Option 3 ID : 264330640566  
Option 4 ID : 264330640563  
Status : Answered  
Chosen Option : 3

Q.31 Because of their high efficiency and high speed, synchronous motors are well suited for\_\_\_\_\_.

- Ans
- 1. electric tractions
  - 2. mixer grinders
  - 3. blowers
  - 4. ceiling fans

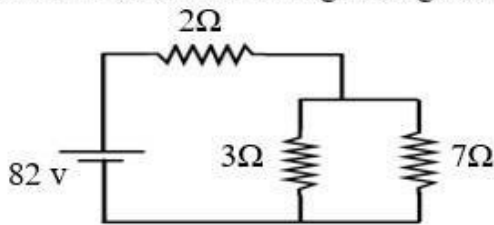
Question ID : 26433099520  
Option 1 ID : 264330390695  
Option 2 ID : 264330390696  
Option 3 ID : 264330390693  
Option 4 ID : 264330390694  
Status : Answered  
Chosen Option : 3

Q.32 A coil having a resistance of  $8\ \Omega$  and an inductance of  $0.01911\ \text{Henry}$  is connected across a  $230\ \text{V}$ ,  $50\ \text{Hz}$  AC supply. The reactive power is equal to \_\_\_\_\_.

- Ans
- 1.  $3.703\ \text{KVAR}$
  - 2.  $4.496\ \text{KVAR}$
  - 3.  $4.232\ \text{KVAR}$
  - 4.  $3.174\ \text{KVAR}$

Question ID : 26433098293  
Option 1 ID : 264330385827  
Option 2 ID : 264330385828  
Option 3 ID : 264330385825  
Option 4 ID : 264330385826  
Status : Not Answered  
Chosen Option : --

Q.33 Find the current flowing through the  $7\ \Omega$  resistor.



- Ans
- 1.  $1.14\ \text{A}$
  - 2.  $2.20\ \text{A}$
  - 3.  $3.6\ \text{A}$
  - 4.  $4.7\ \text{A}$

Question ID : 26433098180  
Option 1 ID : 264330385374  
Option 2 ID : 264330385375  
Option 3 ID : 264330385373  
Option 4 ID : 264330385376  
Status : Answered  
Chosen Option : 3

Q.34 What is the reason for providing corrugated or radiators on the sides of transformer tanks?

- Ans
- 1. To provide very small surface area to dissipate heat generated
  - 2. To provide sufficient cooling area
  - 3. To increase the dielectric strength of the oil
  - 4. To reduce the size of the transformer tank

Question ID : 264330162925  
Option 1 ID : 264330639017  
Option 2 ID : 264330639018  
Option 3 ID : 264330639015  
Option 4 ID : 264330639016  
Status : Answered  
Chosen Option : 2

Q.35 Which of the following statements is/are true regarding all day efficiency of a transformer?

- (i) All day efficiency is also called as commercial efficiency.
- (ii) All day efficiency primarily depends on the duration of load and amount of load.
- (iii) All day efficiency is achieved when the iron losses are less.

- Ans
- 1. Only (i) is true
  - 2. Only (ii) is true
  - 3. Both (i) and (iii) are true
  - 4. Both (ii) and (iii) are true

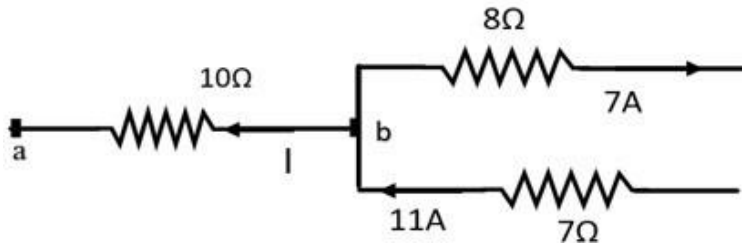
Question ID : 264330100784  
Option 1 ID : 264330395681  
Option 2 ID : 264330395682  
Option 3 ID : 264330395683  
Option 4 ID : 264330395684  
Status : Answered  
Chosen Option : 3

Q.36 In radial distribution system, separate feeder radiates from single substation and feeds the distributors at \_\_\_\_.

- Ans
- 1. one end only
  - 2. two ends
  - 3. three ends
  - 4. four ends

Question ID : 264330158092  
Option 1 ID : 264330619727  
Option 2 ID : 264330619728  
Option 3 ID : 264330619729  
Option 4 ID : 264330619730  
Status : Answered  
Chosen Option : 1

Q.37 The value of voltage  $V_{ab}$  in the figure shown below is:



- Ans
- 1. 0 V
  - 2. 40 V
  - 3. -190 V
  - 4. -40 V

Question ID : 26433096450  
Option 1 ID : 264330378540  
Option 2 ID : 264330378539  
Option 3 ID : 264330378538  
Option 4 ID : 264330378537  
Status : Answered

Chosen Option : 2

Q.38 Which of the following is NOT a type of Field Effect Transistor?

- Ans
- 1. Depletion MOSFET
  - 2. Thyristor
  - 3. Enhancement MOSFET
  - 4. JFET

Question ID : 264330159774  
Option 1 ID : 264330626444  
Option 2 ID : 264330626446  
Option 3 ID : 264330626443  
Option 4 ID : 264330626445  
Status : Answered

Chosen Option : 2

Q.39 What inductance would be needed to store 2kWh of energy in a coil carrying a 100A current?

- Ans
- 1. 0.4 H
  - 2. 100 H
  - 3. 1440 H
  - 4. 4.4 H

Question ID : 26433096401  
Option 1 ID : 264330378341  
Option 2 ID : 264330378344  
Option 3 ID : 264330378343  
Option 4 ID : 264330378342  
Status : Answered

Chosen Option : 1

Q.40 As the leading power factor of the load of an alternator decreases, the magnitude of generated voltage required to give rated terminal voltage \_\_\_\_\_.

- Ans
- 1. increases
  - 2. first increases and then decreases
  - 3. decreases
  - 4. remains unchanged

Question ID : 264330164895  
Option 1 ID : 264330646707  
Option 2 ID : 264330646710  
Option 3 ID : 264330646708  
Option 4 ID : 264330646709  
Status : Answered  
Chosen Option : 4

Q.41 Which of the following expressions clearly indicates determination of the diversity factor in a power system?

- Ans
- 1.  $\frac{\text{Maximum demand of the whole system}}{\text{Sum of individual maximum demand}}$
  - 2.  $\frac{\text{Maximum demand}}{\text{Sum of individual maximum demand}}$
  - 3.  $\frac{\text{Average demand}}{\text{Maximum demand of the whole system}}$
  - 4.  $\frac{\text{Sum of Individual maximum demand}}{\text{Maximum demand of the whole system}}$

Question ID : 264330158048  
Option 1 ID : 264330619553  
Option 2 ID : 264330619551  
Option 3 ID : 264330619552  
Option 4 ID : 264330619554  
Status : Answered  
Chosen Option : 4

Q.42 In the application of electrical circuits, the nichrome that is used to make the heating element in an electric cooker has \_\_\_\_\_.

- Ans
- 1. 40% nickel and 60% chromium
  - 2. 50% nickel and 50% chromium
  - 3. 20% nickel and 80% chromium
  - 4. 80% nickel and 20% chromium

Question ID : 264330157597  
Option 1 ID : 264330617750  
Option 2 ID : 264330617748  
Option 3 ID : 264330617747  
Option 4 ID : 264330617749  
Status : Not Answered  
Chosen Option : --

Q.43 Which of the following CANNOT be caused due to excessive voltage drop in an electric distribution system?

- Ans
- 1. Electriclights to ricker
  - 2. Electric lights to burn dimly
  - 3. Electric heaters to heat poorly
  - 4. Electric motors to run colder than normal

Question ID : 264330158086  
Option 1 ID : 264330619704  
Option 2 ID : 264330619705  
Option 3 ID : 264330619703  
Option 4 ID : 264330619706  
Status : Answered  
Chosen Option : 3

Q.44 Find the ripple frequency of half wave rectifier if the input operating frequency is 50 Hz.

- Ans
- 1. 500 Hz
  - 2. 25 Hz
  - 3. 50 Hz
  - 4. 100 Hz

Question ID : 26433098261  
Option 1 ID : 264330385700  
Option 2 ID : 264330385699  
Option 3 ID : 264330385698  
Option 4 ID : 264330385697  
Status : Answered  
Chosen Option : 4

Q.45 An AC circuit contains a resistance and inductance connected in series. The active power consumed by the circuit is equal to 4800 W and reactive power is 6400 VAR. Calculate the apparent power.

- Ans
- 1. 1058.3 VA
  - 2. 11200 VA
  - 3. 8000 VA
  - 4. 4233 VA

Question ID : 26433098290  
Option 1 ID : 264330385816  
Option 2 ID : 264330385813  
Option 3 ID : 264330385814  
Option 4 ID : 264330385815  
Status : Not Answered  
Chosen Option : --

Q.46 What is core-stepping in core-type transformers?

- Ans
- 1. A method to increase the R loss
  - 2. A method to reduce the length of the mean turn
  - 3. A method to reduce the space factor
  - 4. A method to increase the length of the mean turn

Question ID : 264330162927  
Option 1 ID : 264330639025  
Option 2 ID : 264330639024  
Option 3 ID : 264330639026  
Option 4 ID : 264330639023  
Status : Answered  
Chosen Option : 3

Q.47 A repulsion start induction run single phase motor runs as an IM only when \_\_\_\_\_.

- Ans
- 1. brushes are shifted to neutral phase
  - 2. the commutator segments are short circuited
  - 3. short circuit is disconnected
  - 4. stator winding is reversed

Question ID : 26433099621  
Option 1 ID : 264330391097  
Option 2 ID : 264330391099  
Option 3 ID : 264330391098  
Option 4 ID : 264330391100  
Status : Answered  
Chosen Option : 1

Q.48 A wind turbine with a rotor diameter of 60 m is installed in an area with an average wind speed of 4 m/s. Find the wind power density in watts per square metre, assuming that the air density in the area is  $1.5 \text{ kg/m}^3$ .

- Ans
- 1. 271.3 KW/m<sup>2</sup>
  - 2. 542.6 KW/m<sup>2</sup>
  - 3. 736.45 KW/m<sup>2</sup>
  - 4. 135.67 KW/m<sup>2</sup>

Question ID : 264330162694  
Option 1 ID : 264330638096  
Option 2 ID : 264330638095  
Option 3 ID : 264330638098  
Option 4 ID : 264330638097  
Status : Not Answered  
Chosen Option : --

Q.49 In the split-phase induction motor, maximum torque is about \_\_\_\_\_ the full load torque at about 75% of the synchronous speed.

- Ans
- 1. 25 times
  - 2. 2.5 times
  - 3. 250 times
  - 4. 0.25 times

Question ID : 264330164889  
Option 1 ID : 264330646685  
Option 2 ID : 264330646684  
Option 3 ID : 264330646686  
Option 4 ID : 264330646683  
Status : Answered  
Chosen Option : 2

Q.50 What will be the direction of deflecting torque in a moving iron instrument if the direction of current in the coil is reversed at the same magnitude?

- Ans
- 1. Same direction
  - 2. Reduced to zero
  - 3. Reduced by half
  - 4. Reverse direction

Question ID : 264330157592  
Option 1 ID : 264330617728  
Option 2 ID : 264330617729  
Option 3 ID : 264330617730  
Option 4 ID : 264330617727  
Status : Answered  
Chosen Option : 4

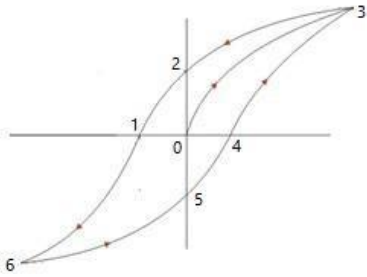
Q.51 Which of the following is the outermost layer of an underground cable?

- Ans
- 1. Serving
  - 2. Sheath
  - 3. Armour
  - 4. Insulation

Question ID : 264330158125  
Option 1 ID : 264330619861  
Option 2 ID : 264330619860  
Option 3 ID : 264330619862  
Option 4 ID : 264330619859  
Status : Answered  
Chosen Option : 4



Q.52 Which of the following portions represents retentivity in the BH curve shown below?



- Ans
- 1. 3
  - 2. 1
  - 3. 6
  - 4. 2

Question ID : 26433098181

Option 1 ID : 264330385379

Option 2 ID : 264330385377

Option 3 ID : 264330385380

Option 4 ID : 264330385378

Status : Answered

Chosen Option : 4

Q.53 Current (I) expression of a diode is given by: (where symbols have usual meaning)

Ans

1.  $I = I_0 \left( e^{\frac{v}{\eta k T}} \right)$
2.  $I = I_0 \left( e^{\frac{qv}{\eta T}} - 1 \right)$
3.  $I = I_0 \left( e^{\frac{qv}{\eta k T}} - 2 \right)$
4.  $I = I_0 \left( e^{\frac{qv}{\eta k T}} - 1 \right)$

Question ID : 264330159788

Option 1 ID : 264330626501

Option 2 ID : 264330626502

Option 3 ID : 264330626500

Option 4 ID : 264330626499

Status : Answered

Chosen Option : 4

Q.54 A coil consists of 1000 turns having a cross-sectional area of  $0.4 \text{ mm}^2$ . The mean length per turn is 40 cm and the resistivity of the wire is  $0.02 \mu\Omega\text{-m}$ . The resistance of the coil is \_\_\_\_\_.

- Ans
- 1.  $200\Omega$
  - 2.  $20\Omega$
  - 3.  $20\mu\Omega$
  - 4.  $40\Omega$

Question ID : 26433096407  
Option 1 ID : 264330378366  
Option 2 ID : 264330378367  
Option 3 ID : 264330378365  
Option 4 ID : 264330378368  
Status : Answered  
Chosen Option : 3

Q.55 What is the apparent power of a 3-phase, star-connected system with a line voltage of 200 V and a line current of 20 A? The phase difference between the voltage and the current is  $36.87^\circ$ .

- Ans
- 1. 7.928 kVA
  - 2. 5.928 kVA
  - 3. 6.928 kVA
  - 4. 8.928 kVA

Question ID : 264330159517  
Option 1 ID : 264330625428  
Option 2 ID : 264330625430  
Option 3 ID : 264330625427  
Option 4 ID : 264330625429  
Status : Answered  
Chosen Option : 3

Q.56 Which of the following lamps is used for the determination of polarity of DC mains?

- Ans
- 1. Carbon arc lamp
  - 2. Sodium vapour lamp
  - 3. Mercury vapour lamp
  - 4. Neon discharge lamp

Question ID : 26433098219  
Option 1 ID : 264330385531  
Option 2 ID : 264330385530  
Option 3 ID : 264330385532  
Option 4 ID : 264330385529  
Status : Answered  
Chosen Option : 4

Q.57 In a PMMC instrument, if the controlling torque is too high, what effect will it have on the accuracy of the instrument?

- Ans
- 1. The accuracy of the instrument will increase.
  - 2. The accuracy of the instrument will decrease.
  - 3. The accuracy of the instrument will remain unaffected.
  - 4. The instrument will stop working.

Question ID : 264330160647  
Option 1 ID : 264330629919  
Option 2 ID : 264330629920  
Option 3 ID : 264330629921  
Option 4 ID : 264330629922  
Status : Answered  
Chosen Option : 4

Q.58 Which of the following points clearly describe the need for a back-to-back converter connected to the rotor of a doubly fed induction generator [DFIG] used in wind power plants?

- (i) It feeds the rotor with currents of fixed frequency and thus, helps in achieving a fixed range of speed.
- (ii) It feeds the rotor with currents of varying frequency and thus, helps in achieving various ranges of speed.
- (iii) It helps in power factor correction by adjusting the active power output of the DFIG.
- (iv) It helps in power factor correction by adjusting the reactive power output of the DFIG.

- Ans
- 1. (i) and (iii)
  - 2. (ii) and (iv)
  - 3. (ii) and (iii)
  - 4. (i) and (iv)

Question ID : 264330158081  
Option 1 ID : 264330619683  
Option 2 ID : 264330619685  
Option 3 ID : 264330619686  
Option 4 ID : 264330619684  
Status : Not Answered  
Chosen Option : --

Q.59 Which of the following motors is used for shears and presses?

- Ans
- 1. DC shunt motor
  - 2. Stepper motor
  - 3. DC series motor
  - 4. DC compound motor

Question ID : 26433098228  
Option 1 ID : 264330385565  
Option 2 ID : 264330385568  
Option 3 ID : 264330385567  
Option 4 ID : 264330385566  
Status : Answered  
Chosen Option : 1

Q.60

What is the maximum electric field when  $V_{bi}=3V$ ,  $V_R= 4V$ , and the width of the semiconductor is 7 cm?

- Ans
- 1. 300 V/m
  - 2. -200 V/m
  - 3. 200 V/m
  - 4. -400 V/m

Question ID : 264330159785  
Option 1 ID : 264330626488  
Option 2 ID : 264330626489  
Option 3 ID : 264330626487  
Option 4 ID : 264330626490  
Status : Not Answered  
Chosen Option : --

Q.61 Which of the following options shows the correct proportion of helium and neon gases in the mixture for helium neon laser?

- Ans
- 1. 80% of helium and 20% of neon
  - 2. 10% of helium and 90% of neon
  - 3. 90% of helium and 10% of neon
  - 4. 20% of helium and 20% of neon

Question ID : 26433098200  
Option 1 ID : 264330385455  
Option 2 ID : 264330385453  
Option 3 ID : 264330385454  
Option 4 ID : 264330385456  
Status : Answered  
Chosen Option : 1

Q.62 The shaded-pole induction motors have \_\_\_\_\_ compared with other motor types and may not be suitable for applications with \_\_\_\_\_ or where precise speed control is necessary.

- Ans
- 1. high efficiency; heavy loads
  - 2. high efficiency; light loads
  - 3. lower efficiency; heavy loads
  - 4. lower efficiency; light loads

Question ID : 264330164880  
Option 1 ID : 264330646648  
Option 2 ID : 264330646650  
Option 3 ID : 264330646647  
Option 4 ID : 264330646649  
Status : Answered  
Chosen Option : 4

Q.63 Select the correct statement(s) with respect to the Francis turbine.

- A) It is used in medium heads and for moderate discharges.
- B) It is an axial-in radial-out type of turbine.
- C) It is an example of a mixed-flow turbine.

- Ans
- 1. A and B
  - 2. B and C
  - 3. A and C
  - 4. Only A

Question ID : 264330158071  
Option 1 ID : 264330619645  
Option 2 ID : 264330619646  
Option 3 ID : 264330619643  
Option 4 ID : 264330619644  
Status : Answered  
Chosen Option : 1

Q.64 In a metal filament bulb, the filament used as a heating coil is tungsten due to its \_\_\_\_\_.

- Ans
- 1. high melting point and low resistivity
  - 2. low melting point and low resistivity
  - 3. low melting point and high resistivity
  - 4. high melting point and high resistivity

Question ID : 264330157602  
Option 1 ID : 264330617769  
Option 2 ID : 264330617767  
Option 3 ID : 264330617768  
Option 4 ID : 264330617770  
Status : Answered  
Chosen Option : 4

Q.65 The standard voltage between any two phases in three-phase four-wire secondary distribution system have \_\_\_\_\_.

- Ans
- 1. 11 kV
  - 2. 400 V
  - 3. 33 kV
  - 4. 230 V

Question ID : 264330158109  
Option 1 ID : 264330619797  
Option 2 ID : 264330619796  
Option 3 ID : 264330619798  
Option 4 ID : 264330619795  
Status : Answered  
Chosen Option : 4

Q.66 In a phasing out test, a voltmeter connected to the winding shows deflection when the supply is given; this indicates that this is \_\_\_\_\_.

- Ans
- 1. tertiary winding only
  - 2. both primary and secondary winding
  - 3. secondary winding only
  - 4. primary winding only

Question ID : 26433096699  
Option 1 ID : 264330379535  
Option 2 ID : 264330379536  
Option 3 ID : 264330379534  
Option 4 ID : 264330379533  
Status : Answered  
Chosen Option : 1

Q.67 The most important consideration when making a detailed estimate is:

- Ans
- 1. quantity, transportation and availability of materials
  - 2. Only transportation of materials
  - 3. Only quantity of the materials
  - 4. Only availability of materials

Question ID : 264330158179  
Option 1 ID : 264330620078  
Option 2 ID : 264330620076  
Option 3 ID : 264330620075  
Option 4 ID : 264330620077  
Status : Answered  
Chosen Option : 1

Q.68 What is the purpose of laminating the core of a transformer?

- Ans
- 1. To increase the eddy current loss
  - 2. To make the core heavier
  - 3. To minimise the eddy current loss
  - 4. To induce eddy current loss

Question ID : 264330162922  
Option 1 ID : 264330639004  
Option 2 ID : 264330639006  
Option 3 ID : 264330639005  
Option 4 ID : 264330639003  
Status : Answered  
Chosen Option : 3

Q.69 In case of electromagnetic induction, two coils are arranged in such a way that a change in one coil causes an EMF to be induced in the other coil. This is called \_\_\_\_\_.

- Ans
- 1. mutual inductance
  - 2. self-inductance
  - 3. series inductance
  - 4. parallel inductance

Question ID : 264330157624  
Option 1 ID : 264330617856  
Option 2 ID : 264330617855  
Option 3 ID : 264330617857  
Option 4 ID : 264330617858  
Status : Answered  
Chosen Option : 1

Q.70 The permanent magnet synchronous motor has a configuration almost identical to the conventional synchronous machine with the absence of \_\_\_\_\_.

- Ans
- 1. field winding and slip ring
  - 2. stationary magnetic field
  - 3. field winding and rotating magnetic field
  - 4. air gap between stator and rotor

Question ID : 264330164862  
Option 1 ID : 264330646575  
Option 2 ID : 264330646577  
Option 3 ID : 264330646576  
Option 4 ID : 264330646578  
Status : Answered  
Chosen Option : 1

Q.71 What is the purpose of interleaving the windings in a transformer?

- Ans
- 1. To increase the leakage flux
  - 2. To reduce the efficiency of the transformer
  - 3. To reduce the leakage flux
  - 4. To increase the inductance of the transformer

Question ID : 264330162923  
Option 1 ID : 264330639008  
Option 2 ID : 264330639007  
Option 3 ID : 264330639010  
Option 4 ID : 264330639009  
Status : Answered  
Chosen Option : 3

Q.72 Three identical coils connected in delta to a 415 V, 3-phase supply take a total power of 50 kW and line currents of 70 A. Determine the total kVA taken by the coils.

- Ans
- 1. 23.24 kVA
  - 2. 9.68 kVA
  - 3. 16.77 kVA
  - 4. 50.32 kVA

Question ID : 26433096124  
Option 1 ID : 264330377268  
Option 2 ID : 264330377267  
Option 3 ID : 264330377265  
Option 4 ID : 264330377266  
Status : Not Answered  
Chosen Option : --

Q.73 A 3-phase star-connected alternator is rated at 1.3 MVA, 11 KV. The armature effective resistance and synchronous reactance are  $1.3 \Omega$  and  $20 \Omega$ , respectively. Calculate voltage drop due to synchronous reactance.

- Ans
- 1. 2363 V
  - 2. 1364.6 V
  - 3. 842.24 V
  - 4. 930.77 V

Question ID : 26433099509  
Option 1 ID : 264330390649  
Option 2 ID : 264330390651  
Option 3 ID : 264330390652  
Option 4 ID : 264330390650  
Status : Answered  
Chosen Option : 1

Q.74 The ratio of the area under the load curve to the total area under the rectangle in which it is contained gives the value of \_\_\_\_\_.

- Ans
- 1. average demand
  - 2. diversity factor
  - 3. load factor
  - 4. utilisation factor

Question ID : 264330158060  
Option 1 ID : 264330619601  
Option 2 ID : 264330619599  
Option 3 ID : 264330619600  
Option 4 ID : 264330619602  
Status : Answered  
Chosen Option : 1



Q.75 Which of the following is NOT the requirement of a DC servomotor?

- Ans
- 1. High accuracy
  - 2. Linear torque-speed characteristics
  - 3. Less torque to weight ratio
  - 4. Better precision

Question ID : 264330164865  
Option 1 ID : 264330646588  
Option 2 ID : 264330646587  
Option 3 ID : 264330646590  
Option 4 ID : 264330646589  
Status : Answered  
Chosen Option : 2

Q.76 A non-inductive resistor of  $50\ \Omega$  is connected in series with a coil of inductance  $0.25$  Henry and of negligible resistance across a  $250\ \text{V}$ ,  $50\ \text{Hz}$  supply. The net impedance of the circuit is given by  $93.07\ \Omega$ . Find the value of reactive power.

- Ans
- 1.  $1022.14\ \text{VAR}$
  - 2.  $727.5\ \text{VAR}$
  - 3.  $1091.25\ \text{VAR}$
  - 4.  $567.59\ \text{VAR}$

Question ID : 26433098294  
Option 1 ID : 264330385829  
Option 2 ID : 264330385830  
Option 3 ID : 264330385832  
Option 4 ID : 264330385831  
Status : Not Answered  
Chosen Option : --

Q.77 Which of the following motors DO/DOES NOT use three-point starters?

- Ans
- 1. DC compound motor
  - 2. DC shunt motor
  - 3. Both DC shunt and compound motors
  - 4. DC series motor

Question ID : 26433098226  
Option 1 ID : 264330385558  
Option 2 ID : 264330385557  
Option 3 ID : 264330385560  
Option 4 ID : 264330385559  
Status : Answered  
Chosen Option : 4

Q.78 A voltage source having some internal resistance delivers a 2A current when a  $5\Omega$  load is connected to it. When the load is  $10\Omega$ , then the current becomes 1.6A. Calculate the power transfer efficiency of the source for a  $15\Omega$  load.

- Ans
- 1. 10%
  - 2. 100%
  - 3. 50%
  - 4. 90%

Question ID : 264330160216  
Option 1 ID : 264330628206  
Option 2 ID : 264330628205  
Option 3 ID : 264330628203  
Option 4 ID : 264330628204  
Status : Answered  
Chosen Option : 3

Q.79 In electromagnetism, the pattern of the magnetic field in a solenoid is \_\_\_\_\_.

- Ans
- 1. circular
  - 2. of parallel straight lines
  - 3. of perpendicular lines
  - 4. of curved lines

Question ID : 264330157653  
Option 1 ID : 264330617973  
Option 2 ID : 264330617972  
Option 3 ID : 264330617971  
Option 4 ID : 264330617974  
Status : Answered  
Chosen Option : 4

Q.80 In an AC circuit, the peak voltage is 388 V. Its effective voltage is:

- Ans
- 1. 230 V
  - 2. 275 V
  - 3. 300 V
  - 4. 200 V

Question ID : 264330159430  
Option 1 ID : 264330625080  
Option 2 ID : 264330625079  
Option 3 ID : 264330625081  
Option 4 ID : 264330625082  
Status : Answered  
Chosen Option : 2

Q.81 The total inductance of two coupled coils in the 'series aiding' and 'series opposing' connections are 4 H and 2 H, respectively. The value of mutual inductance will be \_\_\_\_\_.

- Ans
- 1. 0.75 H
  - 2. 0.5 H
  - 3. 0.33 H
  - 4. 0.2 H

Question ID : 26433096868  
Option 1 ID : 264330380212  
Option 2 ID : 264330380211  
Option 3 ID : 264330380210  
Option 4 ID : 264330380209  
Status : Answered  
Chosen Option : 2

Q.82 The value of a series resistor is required to limit the current through an LED to 36mA with a forward voltage drop of 3V, when connected to a 12V supply.

- Ans
- 1. 250  $\Omega$
  - 2. 250 m  $\Omega$
  - 3. 25  $\Omega$
  - 4. 4000  $\Omega$

Question ID : 26433096571  
Option 1 ID : 264330379024  
Option 2 ID : 264330379022  
Option 3 ID : 264330379021  
Option 4 ID : 264330379023  
Status : Answered  
Chosen Option : 1

Q.83 The capacitance of a parallel plate capacitor having two plates of area  $A = 200 \text{ cm}^2$  and separated by distance  $d = 10 \text{ cm}$  is given by \_\_\_\_\_ if the permittivity of medium is  $8.854 \times 10^{-12} \text{ F/m}$

- Ans
- 1. 17.7  $\mu\text{F}$
  - 2. 17.7 PF
  - 3. 17.7 F
  - 4.  $17.7 \times 10^{-7} \mu\text{F}$

Question ID : 26433098269  
Option 1 ID : 264330385729  
Option 2 ID : 264330385730  
Option 3 ID : 264330385732  
Option 4 ID : 264330385731  
Status : Not Answered  
Chosen Option : --

Q.84 Which of the following statements is true regarding the voltage drop due to armature reaction for leading power factors in an alternator?

- Ans
- 1. The voltage drop increases with an increase in power factor.
  - 2. The voltage drop is not affected by the power factor.
  - 3. The voltage drop remains constant irrespective of the power factor.
  - 4. The voltage drop decreases with an increase in power factor.

Question ID : 264330164896  
Option 1 ID : 264330646711  
Option 2 ID : 264330646714  
Option 3 ID : 264330646713  
Option 4 ID : 264330646712  
Status : Answered  
Chosen Option : 4

Q.85 What is the charging current per phase of a three-core underground cable connected to 22 kV, 50 Hz three phase supply? Given that the capacitance of each phase to neutral is  $18 \mu\text{F}$ . (Given the connection is star connected.)

- Ans
- 1. 84.45 A
  - 2. 71.82 A
  - 3. 82.13 A
  - 4. 50 A

Question ID : 264330159737  
Option 1 ID : 264330626306  
Option 2 ID : 264330626304  
Option 3 ID : 264330626305  
Option 4 ID : 264330626303  
Status : Not Answered  
Chosen Option : --

Q.86 \_\_\_\_\_, न वदा के अ त र लगाया गया (put down) धन है।

- Ans
- 1. अ म धन (Earnest money)
  - 2. दोहन धन (Exploit money)
  - 3. जमा धन (Deposit money)
  - 4. असल धन (True money)

Question ID : 264330158158  
Option 1 ID : 264330619991  
Option 2 ID : 264330619994  
Option 3 ID : 264330619992  
Option 4 ID : 264330619993  
Status : Answered  
Chosen Option : 3

Q.87 Which of the following lamps are used in searchlights?

- Ans  1. Arc lamps  
 2. Neon lamps  
 3. Sodium vapour lamp  
 4. Fluorescent lamps

Question ID : 264330100096  
Option 1 ID : 264330392958  
Option 2 ID : 264330392959  
Option 3 ID : 264330392957  
Option 4 ID : 264330392960  
Status : Answered  
Chosen Option : 1

Q.88 Which sort of contract requires contractors to provide individual price quotes for all work to be performed?

- Ans  1. Lump sum contract  
 2. Percentage rate contract  
 3. Schedule rate contract  
 4. Item rate contract

Question ID : 264330158162  
Option 1 ID : 264330620007  
Option 2 ID : 264330620008  
Option 3 ID : 264330620010  
Option 4 ID : 264330620009  
Status : Not Answered  
Chosen Option : --

Q.89 In applications such as drink and food mixers and sewing machines \_\_\_\_\_ is used.

- Ans  1. split-phase IM motor  
 2. AC series motor  
 3. universal motor  
 4. repulsion motor

Question ID : 26433098257  
Option 1 ID : 264330385684  
Option 2 ID : 264330385683  
Option 3 ID : 264330385682  
Option 4 ID : 264330385681  
Status : Answered  
Chosen Option : 3

Q.90 The main reason to amplify the input signals by using vertical amplifier is:

- Ans
- 1. they provide low stability
  - 2. they are not strong to provide deflection that can be measured
  - 3. they provide attenuation
  - 4. the input impedance is low

Question ID : 264330100764  
Option 1 ID : 264330395603  
Option 2 ID : 264330395601  
Option 3 ID : 264330395602  
Option 4 ID : 264330395604  
Status : Answered  
Chosen Option : 4

Q.91 Which of the following measurement instruments consumes the least amount of energy?

- Ans
- 1. Induction type
  - 2. Moving iron type
  - 3. Dynamometer type
  - 4. PMMC type

Question ID : 26433098265  
Option 1 ID : 264330385713  
Option 2 ID : 264330385714  
Option 3 ID : 264330385715  
Option 4 ID : 264330385716  
Status : Answered  
Chosen Option : 4

Q.92 A overhead transmission line is supported by supports at equal levels. If the length of the conductor span is increased by two times, the sag will \_\_\_\_\_. (Given, weight per unit length and tension in the conductor are constant.)

- Ans
- 1. increase by two times
  - 2. decrease by four times
  - 3. decrease by two times
  - 4. increase by four times

Question ID : 264330158115  
Option 1 ID : 264330619819  
Option 2 ID : 264330619822  
Option 3 ID : 264330619821  
Option 4 ID : 264330619820  
Status : Answered  
Chosen Option : 4

Q.93 An electric kettle consumes 10kw of electric power when operated at 200 V. A fuse wire of what rating must be used for it?

- Ans
- 1. 10A
  - 2. 30A
  - 3. 50A
  - 4. 40A

Question ID : 264330160205  
Option 1 ID : 264330628159  
Option 2 ID : 264330628160  
Option 3 ID : 264330628162  
Option 4 ID : 264330628161  
Status : Answered  
Chosen Option : 3

Q.94 What kind of metal does continuous bus bar wire typically consist of?

- Ans
- 1. Plastic
  - 2. Neither copper nor aluminium
  - 3. Iron
  - 4. Copper or aluminium

Question ID : 264330158183  
Option 1 ID : 264330620093  
Option 2 ID : 264330620094  
Option 3 ID : 264330620092  
Option 4 ID : 264330620091  
Status : Answered  
Chosen Option : 4

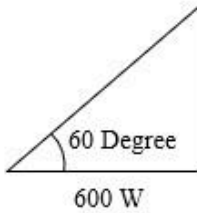
Q.95 Which of the following information is NOT present on the nameplate of a transformer?

- Ans
- 1. Insulation class
  - 2. kVA or MVA rating
  - 3. Rated frequency
  - 4. Frame size

Question ID : 264330163315  
Option 1 ID : 264330640561  
Option 2 ID : 264330640562  
Option 3 ID : 264330640559  
Option 4 ID : 264330640560  
Status : Answered  
Chosen Option : 1

Q.96

What will be the reactive power in the given power triangle?



- Ans
- 1. 1039 VAR Leading
  - 2. 1200 VAR Leading
  - 3. 1200 VAR Lagging
  - 4. 1039 VAR Lagging

Question ID : 26433098291  
Option 1 ID : 264330385817  
Option 2 ID : 264330385819  
Option 3 ID : 264330385820  
Option 4 ID : 264330385818

Status : Not Answered  
Chosen Option : --

Q.97 In case of electrical energy, the joule is also expressed as the\_\_\_\_\_.

- Ans
- 1. watt-second
  - 2. meter-second
  - 3. joule-second
  - 4. newton-second

Question ID : 264330157611  
Option 1 ID : 264330617804  
Option 2 ID : 264330617806  
Option 3 ID : 264330617805  
Option 4 ID : 264330617803

Status : Not Answered  
Chosen Option : --

Q.98 A 230 V, 3-phase voltage is applied to a balance delta connected 3-phase load of phase impedance  $(15 + j20) \Omega$ . What is the power consumed per phase?

- Ans
- 1. 1161.6 W
  - 2. 2198.3 W
  - 3. 1269.6 W
  - 4. 3807.6 W

Question ID : 26433098298  
Option 1 ID : 264330385848  
Option 2 ID : 264330385847  
Option 3 ID : 264330385846  
Option 4 ID : 264330385845

Status : Not Answered  
Chosen Option : --



Q.99 A 64k $\Omega$  resistor has a specified maximum power dissipation of 1000 watts. The maximum current that may be passed through the resistor is \_\_\_\_\_.

- Ans
1. 8A
  2. 32A
  3. 64 A
  4.  $\frac{1}{8}$  A

Question ID : 26433096412

Option 1 ID : 264330378385

Option 2 ID : 264330378387

Option 3 ID : 264330378388

Option 4 ID : 264330378386

Status : Not Answered

Chosen Option : --

Q.100 The shaded-pole induction motors are of \_\_\_\_\_.

- Ans
1. zero cost
  2. low cost
  3. high cost
  4. very high cost

Question ID : 264330164879

Option 1 ID : 264330646646

Option 2 ID : 264330646643

Option 3 ID : 264330646644

Option 4 ID : 264330646645

Status : Not Answered

Chosen Option : --