



Staff Selection Commission
(Government Of India)

REGISTRATION :
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EXAM NAME : SSC Examination
TOTAL MARKS : 200

QID : 1 - In the following question, some part of the sentence may have errors. Find out which part of the sentence has an error and select the appropriate option. If a sentence is free from error, select 'No Error'.

My best wishes (1)/ are always (2)/ with you. (3)/ No error (4)

Options:

- 1) 1
- 2) 2
- 3) 3
- 4) 4

Correct Answer: 1

Candidate Answer: 4

QID : 2 - In the following question, some part of the sentence may have errors. Find out which part of the sentence has an error and select the appropriate option. If a sentence is free from error, select 'No Error'.

This year, we were visited by the director of Austrian Culture Forum, (1)/ based on Delhi and together we all wanted (2)/ to initiate an art festival in South India. (3)/ No error (4)

Options:

- 1) 1
- 2) 2
- 3) 3
- 4) 4

Correct Answer: 2

Candidate Answer: 2

QID : 3 - In the following question, the sentence given with blank to be filled in with an appropriate word. Select the correct alternative out of the four and indicate it by selecting the appropriate option.

Ramesh _____ into his own trap.

Options:

- 1) falling
- 2) was fell
- 3) fell
- 4) fall down

Correct Answer: fell

Candidate Answer: fell

QID : 4 - In the following question, the sentence given with blank to be filled in with an appropriate word. Select the correct alternative out of the four and indicate it by selecting the appropriate option.

India is the second most populous country _____ the seventh largest country by area in the world.

Options:

- 1) but
- 2) however
- 3) and
- 4) while

Correct Answer: and

Candidate Answer: and

QID : 5 - In the following question, out of the given four alternatives, select the one which best expresses the meaning of the given word.

Lucrative

Options:

- 1) Impoverished
- 2) Worthwhile
- 3) Useless
- 4) Inconsiderable

Correct Answer: Worthwhile

Candidate Answer: Worthwhile

QID : 6 - In the following question, out of the given four alternatives, select the one which best expresses the meaning of the given word.

Actuate

Options:

- 1) True
- 2) Move
- 3) Select
- 4) Kill

Correct Answer: Move

Candidate Answer: Move

QID : 7 - In the following question, out of the given four alternatives, select the one which is opposite in meaning of the given word.

Jubilant

Options:

- 1) Happy
- 2) Excited
- 3) Celebrating
- 4) Sorrowful

Correct Answer: Sorrowful

Candidate Answer: Sorrowful

QID : 8 - In the following question, out of the given four alternatives, select the one which is opposite in meaning of the given word.

Courtly

Options:

- 1) Formal
- 2) Elegant
- 3) Conventional
- 4) Rough

Correct Answer: Rough

Candidate Answer: Rough

QID : 9 - Rearrange the parts of the sentence in correct order.

The government should

P : provide health insurance

Q : to buy their own

R : for those unable

Options:

- 1) PQR
- 2) RPQ
- 3) QRP
- 4) PRQ

Correct Answer: PRQ

Candidate Answer: PRQ

QID : 10 - A sentence has been given in Active/Passive Voice. Out of the four given alternatives, select the one which best expresses the same sentence in Passive/Active Voice.

Someone has invited me to the cruise.

Options:

- 1) Someone has sent invitation to the cruise.
- 2) I had been invited to the cruise.
- 3) I have been invited to the cruise.
- 4) I was invite to the cruise by somebody.

Correct Answer: I have been invited to the cruise.

Candidate Answer: I have been invited to the cruise.

QID : 11 - A sentence has been given in Direct/Indirect Speech. Out of the four given alternatives, select the one which best expresses the same sentence in Indirect/Direct Speech.

Rohan said , “I am going”

Options:

- 1) Rohan had said he is gone.
- 2) Rohan is going.
- 3) Rohan said that he is gone.
- 4) Rohan said that he was going.

Correct Answer: Rohan said that he was going.

Candidate Answer: Rohan said that he was going.

QID : 12 - In the following question, a word has been written in four different ways out of which only one is correctly spelt. Select the correctly spelt word.

Options:

- 1) Fluorescent
- 2) Floresecent
- 3) Floroscent
- 4) Flowrascent

Correct Answer: Fluorescent

Candidate Answer: Fluorescent

QID : 13 - In the following passage, some of the words have been left out. Read the passage carefully and select the correct answer for the given blank out of the four alternatives.

If we can permit ourselves to _____ movement fully, we permit ourselves to perceive, think _____ reflect. We allow ourselves the privilege of reimagining dance, music, and the way you and I talk, or think, or love. We move _____ an incredible space of _____, primarily in thought, but perhaps more restrictively in defining _____, or maybe even doing away with it.

ourselves to _____ movement fully

Options:

- 1) understood
- 2) understandable
- 3) understandably
- 4) understand

Correct Answer: understand

Candidate Answer: understand

QID : 14 - In the following passage, some of the words have been left out. Read the passage carefully and select the correct answer for the given blank out of the four alternatives.

If we can permit ourselves to _____ movement fully, we permit ourselves to perceive, think _____ reflect. We allow ourselves the privilege of reimagining dance, music, and the way you and I talk, or think, or love. We move _____ an incredible space of _____, primarily in thought, but perhaps more restrictively in defining _____, or maybe even doing away with it.

perceive, think _____ reflect.

Options:

- 1) but
- 2) nor
- 3) and
- 4) so

Correct Answer: and

Candidate Answer: and

QID : 15 - In the following passage, some of the words have been left out. Read the passage carefully and select the correct answer for the given blank out of the four alternatives.

If we can permit ourselves to _____ movement fully, we permit ourselves to perceive, think _____ reflect. We allow ourselves the privilege of reimagining dance, music, and the way you and I talk, or think, or love. We move _____ an incredible space of _____, primarily in thought, but perhaps more restrictively in defining _____, or maybe even doing away with it.

We move _____ an incredible

Options:

- 1) of
- 2) so
- 3) into
- 4) for

Correct Answer: into

Candidate Answer: into

QID : 16 - In the following passage, some of the words have been left out. Read the passage carefully and select the correct answer for the given blank out of the four alternatives.

If we can permit ourselves to _____ movement fully, we permit ourselves to perceive, think _____ reflect. We allow ourselves the privilege of reimagining dance, music, and the way you and I talk, or think, or love. We move _____ an incredible space of _____, primarily in thought, but perhaps more restrictively in defining _____, or maybe even doing away with it.

space of _____, primarily in thought,

Options:

- 1) liberty
- 2) liberation
- 3) liberties
- 4) liberal

Correct Answer: liberty

Candidate Answer: liberties

QID : 17 - In the following passage, some of the words have been left out. Read the passage carefully and select the correct answer for the given blank out of the four alternatives.

If we can permit ourselves to _____ movement fully, we permit ourselves to perceive, think _____ reflect. We allow ourselves the privilege of reimagining dance, music, and the way you and I talk, or think, or love. We move _____ an incredible space of _____, primarily in thought, but perhaps more restrictively in defining _____, or maybe even doing away with it.

defining _____, or maybe even doing

Options:

- 1) beautifully
- 2) beauty
- 3) beautiful
- 4) beautify

Correct Answer: beauty

Candidate Answer: beauty

QID : 18 - In the following question, out of the four alternatives, select the alternative which best expresses the meaning of the idiom/phrase.

Be in force

Options:

- 1) To enjoy a short period of fame or power.
- 2) In great strength or numbers.
- 3) A hateful act done in a haste.
- 4) Be the current winner.

Correct Answer: In great strength or numbers.

Candidate Answer: In great strength or numbers.

QID : 19 - In the following question, out of the four alternatives, select the alternative which best expresses the meaning of the idiom/phrase.

Make a scene

Options:

- 1) To perform beautifully in front of an audience.
- 2) Make a public disturbance or excited emotional display.
- 3) To narrate an elaborate false story.
- 4) Describe a scene in so much detail that it comes vivid.

Correct Answer: Make a public disturbance or excited emotional display.

Candidate Answer: Make a public disturbance or excited emotional display.

QID : 20 - In the following question, out of the four alternatives, select the alternative which is the best substitute of the words/sentence.

Extremely happy, peaceful, or picturesque

Options:

- 1) Idyllic
- 2) Abominable
- 3) Iota
- 4) Amiss

Correct Answer: Idyllic

Candidate Answer: Idyllic

QID : 21 - In the following question, out of the four alternatives, select the alternative which is the best substitute of the words/sentence.

Showing a lack of courage or confidence

Options:

- 1) Tenacious
- 2) Indomitable
- 3) Timid
- 4) Gutsy

Correct Answer: Timid

Candidate Answer: Timid

QID : 22 - In the following question, out of the four alternatives, select the alternative which will improve the bracketed part of the sentence. In case no improvement is needed, select "no improvement".

The trick is in **(keep)** the flavours simple and fresh.

Options:

- 1) keeping
- 2) keeps
- 3) to keep
- 4) no improvement

Correct Answer: keeping

Candidate Answer: keeping

QID : 23 - In the following question, out of the four alternatives, select the alternative which will improve the bracketed part of the sentence. In case no improvement is needed, select "no improvement".

Yes, amazing things **(has happen)** with the launch of the internet.

Options:

- 1) is happening
- 2) had happen
- 3) have happened
- 4) no improvement

Correct Answer: have happened

Candidate Answer: have happened

QID : 24 - The question below consists of a set of labelled sentences. Out of the four options given, select the most logical order of the sentences to form a coherent paragraph.

I learnt he had

A-spoke about yoga, slums, and Indian

B-never been to India, yet he

C-cinema with conviction

Options:

- 1) ACB
- 2) BAC
- 3) ABC
- 4) CBA

Correct Answer: BAC

Candidate Answer: BAC

QID : 25 - In the following question, four words are given out of which one word is correctly spelt. Select the correctly spelt word.

Options:

- 1) coniferous
- 2) coniferos
- 3) coniferrous
- 4) coniferros

Correct Answer: coniferous

Candidate Answer: coniferous

QID : 26 - In the following question, select the related word pair from the given alternatives.

Wood : Door :: ? : ?

निम्नलिखित प्रश्न में दिए गए विकल्पों में से संबंधित शब्द युग्म को चुनिए।

लकड़ी : दरवाजा :: ? : ?

Options:

- 1) Car : Truck
कार : ट्रक
- 2) Table : Window
मेज : खिड़की
- 3) Clay : Statue
मिट्टी : मूर्ति
- 4) Wood : Plastic
लकड़ी : प्लास्टिक

Correct Answer: Clay : Statue

मिट्टी : मूर्ति

Candidate Answer: Clay : Statue

मिट्टी : मूर्ति

QID : 27 - In the following question, select the related number from the given alternatives.

41 : 4 :: 37 : ?

निम्नलिखित प्रश्न में दिए गए विकल्पों में से संबंधित संख्या को चुनिए ।

41 : 4 :: 37 : ?

Options:

- 1) 34
- 2) 21
- 3) 22
- 4) 16

Correct Answer: 21

Candidate Answer: [NOT ANSWERED]

QID : 28 - In the following question, select the related letter/letters from the given alternatives.

AMC : COE :: RAX : ?

निम्नलिखित प्रश्न में दिए गए विकल्पों में से संबंधित अक्षर/अक्षरों को चुनिए ।

AMC : COE :: RAX : ?

Options:

- 1) MKZ
- 2) TCZ
- 3) ECB
- 4) FBT

Correct Answer: TCZ

Candidate Answer: [NOT ANSWERED]

QID : 29 - In the following question, select the odd word from the given alternatives.

निम्नलिखित प्रश्न में दिए गए विकल्पों में से विषम शब्द को चुनिए ।

Options:

- 1) Teacher
अध्यापक
- 2) Justice
न्याय
- 3) Lawyer
वकील
- 4) Chef
रसोइया

Correct Answer: Justice
न्याय

Candidate Answer: Justice
न्याय

QID : 30 - In the following question, four number pairs are given. The number on left side of (-) is related to the number of the right side of (-) with some Logic/Rule/Relation. Three are similar on basis of same Logic/Rule/Relation. Select the odd one out from the given alternatives.

नीचे दिए गए प्रश्न में, चार संख्या युग्म दिए गए हैं। (-) के बायीं ओर दी संख्या (-) के दायीं ओर दी गई संख्या से तर्क/नियम से सम्बंधित है। तीन उसी एक तर्क/नियम के आधार पर समान हैं। दिए गए विकल्पों में से भिन्न को चुनिए।

Options:

- 1) 11 – 121
- 2) 12 – 144
- 3) 15 – 225
- 4) 13 – 171

Correct Answer: 13 – 171

Candidate Answer: 13 – 171

QID : 31 - In the following question, select the odd letter/letters from the given alternatives.

निम्नलिखित प्रश्न में दिए गए विकल्पों में से विषम अक्षर/अक्षरों को चुनिए।

Options:

- 1) MSY
- 2) KQW
- 3) RXC
- 4) DJP

Correct Answer: RXC

Candidate Answer: RXC

QID : 32 - Arrange the given words in the sequence in which they occur in the dictionary.

1. Seaman
2. Scruples
3. Script
4. Second
5. Seat

निम्नलिखित शब्दों को शब्दकोश में आने वाले क्रम के अनुसार लिखें।

1. Seaman
2. Scruples
3. Script
4. Second
5. Seat

Options:

- 1) 32154
- 2) 45321
- 3) 12345
- 4) 25341

Correct Answer: 32154

Candidate Answer: 32154

QID : 33 - In the following question, select the missing number from the given series.

1728, 864, 432, 216, ?

निम्नलिखित प्रश्न में दिए गए विकल्पों में से लुप्त अंक ज्ञात कीजिए।

1728, 864, 432, 216, ?

Options:

- 1) 54
- 2) 108
- 3) 116
- 4) 200

Correct Answer: 108

Candidate Answer: 108

QID : 34 - A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.

GLP, HNR, IPT, JRV, ?

एक अनुक्रम दिया गया है, जिसमें से एक पद लुप्त है। दिए गए विकल्पों में से वह सही विकल्प चुनिए, जो अनुक्रम को पूरा करे।

GLP, HNR, IPT, JRV, ?

Options:

- 1) KUY
- 2) KWA
- 3) KTX
- 4) LVZ

Correct Answer: KTX

Candidate Answer: KTX

QID : 35 - Aman is 4 years older to Bimal. Bimal is 2 years younger to Chaman. Chaman is 6 years older to Dhruv. Dhruv is 9 years younger to Esha. Who is the second eldest?

अमन, बिमल से 4 वर्ष बड़ा है। बिमल, चमन से 2 वर्ष छोटा है। चमन, ध्रुव से 6 वर्ष बड़ा है। ध्रुव, ईशा से 9 वर्ष छोटा है। दूसरा सबसे बड़ा कौन है?

Options:

- 1) Aman
अमन
- 2) Bimal
बिमल
- 3) Chaman
चमन
- 4) Dhruv
ध्रुव

Correct Answer: Aman

अमन

Candidate Answer: Aman

अमन

QID : 36 - From the given alternatives, select the word which **CANNOT** be formed using the letters of the given word.

Apparent

दिए गए विकल्पों में से वह शब्द चुनिए जो दिए गए शब्द के अक्षरों का प्रयोग करके **नहीं** बनाया जा सकता है।

Apparent

Options:

- 1) Pear
- 2) Pent
- 3) Rent
- 4) Relevent

Correct Answer: Relevent

Candidate Answer: Relevent

QID : 37 - In a certain code language, “MONEY” is written as “ZDONN”. How is “RATED” written in that code language?

एक विशिष्ट कोड भाषा में, “MONEY” को “ZDONN” लिखा जाता है। इस कोड भाषा में “RATED” को किस प्रकार लिखा जाएगा?

Options:

- 1) FBVYE
- 2) EZSDW
- 3) EDUZS
- 4) WVMKB

Correct Answer: EDUZS

Candidate Answer: [NOT ANSWERED]

QID : 38 - In a certain code language, '-' represents '+', '+' represents 'x', 'x' represents '÷' and '÷' represents '-'. Find out the answer to the following question.

$$3 \div 12 - 40 + 5 \times 20 = ?$$

किसी निश्चित कोड भाषा में '-', '+' को प्रदर्शित करता है, '+', 'x' को प्रदर्शित करता है, 'x', '÷' को प्रदर्शित करता है और '÷', '-' को प्रदर्शित करता है। निम्नलिखित प्रश्न का उत्तर ज्ञात करें।

$$3 \div 12 - 40 + 5 \times 20 = ?$$

Options:

- 1) 42
- 2) 1
- 3) 45
- 4) 30

Correct Answer: 1

Candidate Answer: 1

QID : 39 - The following equation is incorrect. Which two signs should be interchanged to correct the equation?

$$40 \div 8 \times 5 + 15 - 2 = 30$$

निम्नलिखित समीकरण गलत है। इस समीकरण को सही करने के लिए किन दो चिन्हों को आपस में अदला-बदली करना चाहिए?

$$40 \div 8 \times 5 + 15 - 2 = 30$$

Options:

- 1) \div and -
 \div और -
- 2) + and \div
+ और \div
- 3) - and +
- और +
- 4) x and -
x और -

Correct Answer: x and -
x और -

Candidate Answer: x and -
x और -

QID : 40 - If $8\alpha 9 = -72$, $-9\alpha 3 = 27$ and $-6\alpha 1 = 6$, then find the value of $-3\alpha 6 = ?$

यदि $8\alpha 9 = -72$, $-9\alpha 3 = 27$ और $-6\alpha 1 = 6$, तो $-3\alpha 6$ का मान ज्ञात करें।

Options:

- 1) -98
- 2) -87
- 3) 18
- 4) 29

Correct Answer: 18

Candidate Answer: 18

QID : 41 - Which of the following terms follows the trend of the given list?

AAAAAaA, AAAAaAA, AAAaAAA, AAaAAAA, AaAAAAA, _____.

निम्नलिखित में से कौन सा पद दी गयी सूची के क्रम के अनुसार है?

AAAAAaA, AAAAaAA, AAAaAAA, AAaAAAA, AaAAAAA, _____.

Options:

- 1) aAAAAAA
- 2) AAAAAAa
- 3) AAAAAaA
- 4) AAAAaAA

Correct Answer: aAAAAAA

Candidate Answer: aAAAAAA

QID : 42 - Two motorcycle riders A and B start their rides from the same point. Rider A goes 11 km East then turns to his right and rides for another 9 km. Rider B goes 8 km North, then turns East and rides for 11 km and then turns to his right and rides 7 km. Where is rider A with respect to rider B?

दो मोटरसाइकिल सवार A और B एक ही बिंदु से अपनी सवारी शुरू करते हैं। सवार A पूर्व की तरफ 11 कि.मी. की दूरी तक जाता है, फिर अपने दाहिनी ओर मुड़ जाता है और आगे 9 कि.मी. तक जाता है। सवार B उत्तर की ओर 8 कि.मी. तक जाता है, फिर पूर्व की तरफ मुड़ जाता है और आगे 11 कि.मी. तक सवारी करता है और फिर अपने दाहिनी ओर मुड़ जाता है और आगे 7 कि.मी. तक सवारी करता है। सवार B के संबंध में सवार A कहाँ है?

Options:

1) 10 km South

10 कि.मी. दक्षिण

2) 8 km South

8 कि.मी. दक्षिण

3) 10 km North

10 कि.मी. उत्तर

4) 8 km North

8 कि.मी. उत्तर

Correct Answer: 10 km South

10 कि.मी. दक्षिण

Candidate Answer: 10 km South

10 कि.मी. दक्षिण

QID : 43 - In the question two statements are given, followed by two conclusions, I and II. You have to consider the statements to be true even if it seems to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follows from the given statements.

Statement I: All bolts are nails

Statement II: Some screws are bolts

Conclusion I: All nails are screws

Conclusion II: All screws are nails

प्रश्न में दो कथन दिये गये हैं जिसके आगे दो निष्कर्ष I और II निकाले गये हैं। आपको मानना है कि दोनों कथन सत्य है चाहे वह सामान्यतः ज्ञात तथ्यों से भिन्न प्रतीत होते हों। आपको निर्णय करना है की दिए गए निष्कर्षों में से कौन-सा/कौन-से निश्चित रूप से कथन द्वारा सही निकाला जा सकता है/सकते हैं, यदि कोई हो।

कथन I: सभी बोल्ट कीलें होते हैं

कथन II: कुछ स्क्रू बोल्ट होते हैं

निष्कर्ष I: सभी कीलें स्क्रू होते हैं

निष्कर्ष II: सभी स्क्रू कीलें होते हैं

Options:

1) Only conclusion I follows

केवल निष्कर्ष I सही है

2) Only conclusion II follows

केवल निष्कर्ष II सही है

3) Both conclusions I and II follow

दोनों निष्कर्ष I और II सही है

4) Neither conclusion I nor conclusion II follows

ना तो निष्कर्ष I सही है ना ही निष्कर्ष II

Correct Answer: Neither conclusion I nor conclusion II follows

ना तो निष्कर्ष I सही है ना ही निष्कर्ष II

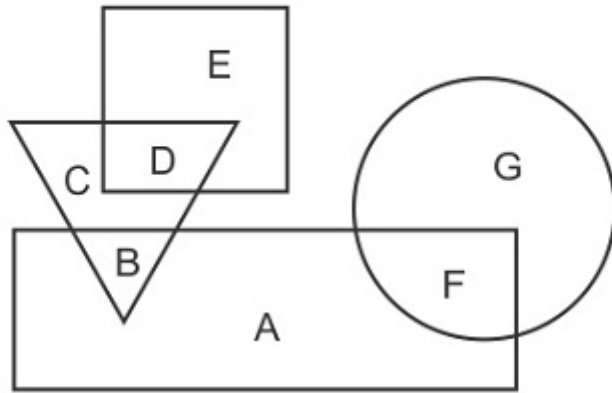
Candidate Answer: Neither conclusion I nor conclusion II follows

ना तो निष्कर्ष I सही है ना ही निष्कर्ष II

QID : 44 -

In the following figure, rectangle represents Coppermiths, circle represents Bakers, triangle represents Gamers and square represents Fathers. Which set of letters represents Coppermiths who are neither Gamers nor Bakers?

निम्नलिखित आकृति में, आयत ताम्बकारों को प्रदर्शित करता है, वृत्त बेकर्स को प्रदर्शित करता है, त्रिभुज गेमर्स को प्रदर्शित करता है और वर्ग पिताओं को प्रदर्शित करता है। अक्षरों का कौन सा समूह उन ताम्बकारों को प्रदर्शित करता है जो न तो गेमर्स और न ही बेकर्स हैं?



Options:

1) BAF

2) CG

3) CDG

4) A

Correct Answer: A

Candidate Answer: A

QID : 45 - A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.

SAY, TDD, UGI, VJN, ?

एक अनुक्रम दिया गया है, जिसमें से एक पद लुप्त है। दिए गए विकल्पों में से वह सही विकल्प चुनिए, जो अनुक्रम को पूरा करे।

SAY, TDD, UGI, VJN, ?

Options:

1) WMR

2) WMS

3) WNR

4) WNS

Correct Answer: WMS

Candidate Answer: WMS

QID : 46 - In the following question, select the missing number from the given series.

46, 41, 35, 30, ?, 19, 13

निम्नलिखित प्रश्न में दिए गए विकल्पों में से लुप्त अंक ज्ञात कीजिए।

46, 41, 35, 30, ?, 19, 13

Options:

1) 26

2) 24

3) 28

4) 22

Correct Answer: 24

Candidate Answer: 24

QID : 47 - In the following question, four groups of three numbers are given. In each group the second and third number are related to the first number by a Logic/Rule/Relation. Three are similar on basis of same Logic/Rule/Relation. Select the odd one out from the given alternatives.

नीचे दिए गए प्रश्न में, तीन संख्याओं के चार समूह दिये गए हैं। प्रत्येक समूह में दूसरी तथा तीसरा संख्या पहली संख्या से किसी एक तर्क/नियम से सम्बंधित है। तीन उसी एक तर्क/नियम के आधार पर समान हैं। दिए गए विकल्पों में से भिन्न को चुनिए।

Options:

- 1) (8, 17, 33)
- 2) (11, 23, 45)
- 3) (13, 27, 51)
- 4) (17, 35, 69)

Correct Answer: (13, 27, 51)

Candidate Answer: (13, 27, 51)

QID : 48 -

If a mirror is placed on the line MN, then which of the answer figures is the right image of the given figure?

यदि एक दर्पण को MN रेखा पर रखा जाए तो दी गयी उत्तर आकृतियों में से कौन-सी आकृति प्रश्न आकृति का सही प्रतिबिम्ब होगी?



Options:

1)



2)



3)



4)



Correct Answer:



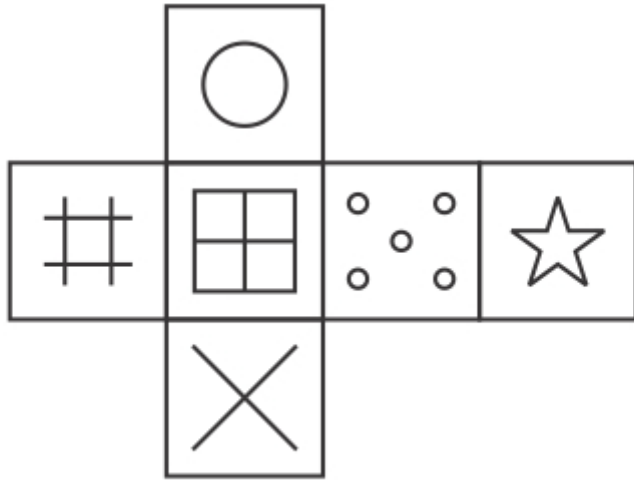
Candidate Answer:



QID : 49 -

Which of the following cube in the answer figure cannot be made based on the unfolded cube in the question figure?

निम्नलिखित उत्तर आकृति में से कौन सा घन दिए गए प्रश्न आकृति में से खुले घन से बनाया नहीं जा सकता?



Options:

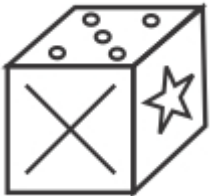
1)



2)



3)



4)



Correct Answer:



Candidate Answer:



QID : 50 -

A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as shown in the given two matrices. The columns and rows of Matrix-I are numbered from 0 to 4 and that of Matrix-II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, for example 'B' can be represented by 21, 42 etc and 'O' can be represented by 95, 89 etc. Similarly, you have to identify the set for the word 'YUCK'.

एक शब्द केवल एक संख्या-समूह द्वारा दर्शाया गया है, जैसा कि विकल्पों में से किसी एक में दिया गया है। विकल्पों में दिए गए संख्या-समूह अक्षरों के दो वर्गों द्वारा दर्शाए गए हैं, जैसा कि दिए गए दो आव्यूहों में है। आव्यूह-I के स्तम्भ और पंक्ति की संख्या 0 से 4 और आव्यूह-II की 5 से 9 है। इन आव्यूहों से एक अक्षर को पहले उसकी पंक्ति और बाद में स्तम्भ संख्या द्वारा दर्शाया जा सकता है। उदाहरण के लिए 'B' को 21, 42 आदि द्वारा दर्शाया जा सकता है तथा 'O' को 95, 89 आदि द्वारा दर्शाया जा सकता है। इसी तरह से आपको प्रश्न में दिए शब्द 'YUCK' के लिए समूह को पहचानना है।

Matrix I आव्यूह - I						Matrix II आव्यूह - II					
	0	1	2	3	4		5	6	7	8	9
0	I	C	A	I	I	5	Z	W	Z	V	U
1	M	A	K	D	M	6	Y	Q	S	T	N
2	C	B	D	K	A	7	U	R	Q	R	V
3	A	D	H	H	F	8	Z	Y	Z	U	O
4	M	F	B	M	F	9	O	U	V	Y	X

Options:

- 1) 42,97,30,59
- 2) 40,97,40,55
- 3) 65,59,20,12
- 4) 13,69,24,99

Correct Answer: 65,59,20,12

Candidate Answer: 65,59,20,12

QID : 51 -

Find the unit place digit in $(194)^{102} + (294)^{103}$.

$(194)^{102} + (294)^{103}$ में यूनिट स्थान अंक खोजें।

Options:

- 1) 0
- 2) 6
- 3) 8
- 4) 2

Correct Answer: 0

Candidate Answer: 0

QID : 52 - Find the average of all prime numbers between 20 and 50.

20 और 50 के बीच सभी अभाज्य संख्याओं की औसत का पता लगाएं।

Options:

- 1) 35.857
- 2) 35.657
- 3) 34.857
- 4) 36.657

Correct Answer: 35.857

Candidate Answer: [NOT ANSWERED]

QID : 53 - Determine the value of "s" for which the equation $5x + 35 = 60x + s$ has infinite number of solutions.

"s" का मान निर्धारित करें जिसके लिए समीकरण $5x + 35 = 60x + s$ के अनंत समाधान हैं।

Options:

- 1) 420
- 2) 440
- 3) 460
- 4) 480

Correct Answer: 420

Candidate Answer: 420

QID : 54 -

What is the sum of $a^3 + b^3 + c^3 - 3abc$, when the value of $a = 4$, $b = 2$ and $c = -6$?

$a^3 + b^3 + c^3 - 3abc$ का योग क्या है, जब $a = 4$, $b = 2$ और $c = -6$ हैं?

Options:

- 1) 0
- 2) 2
- 3) 4
- 4) 6

Correct Answer: 0

Candidate Answer: 0

QID : 55 - Which of the following conditions is **TRUE** for the two line segments AB and CD to be congruent?

दो रेखा खंड AB और CD के सर्वांगसम होने के लिए, नीचे लिखी शर्तों में कौन सी शर्त **सही** है?

Options:

- 1) $AB = CD$
- 2) $AB > CD$
- 3) $AB < CD$
- 4) None of these

इनमें से कोई नहीं

Correct Answer: $AB = CD$

Candidate Answer: $AB = CD$

QID : 56 - If each median of an equilateral triangle has a length of 12cm. Then what will be the value of in-radius (in cm) of the equilateral triangle?

यदि एक समभुज त्रिभुज के प्रत्येक माध्यिका की लंबाई 12 सेमी है, तो समभुज त्रिभुज के अन्तःवृत्त की त्रिज्या का मान (सेमी में) क्या होगा?

Options:

- 1) 3
- 2) 4
- 3) 5
- 4) 6

Correct Answer: 4

Candidate Answer: 4

QID : 57 - The population of a town increases by 5% in the first year, by 6% in the second year and by 8% in third year. The present population of town is 120204. What was the population of the town 3 years ago?

एक शहर की जनसंख्या पहले वर्ष में 5% से, दूसरे वर्ष में 6% से तथा तीसरे वर्ष में 8% से बढ़ती है। शहर की वर्तमान जनसंख्या 120204 है। 3 वर्ष पूर्व शहर की जनसंख्या क्या थी?

Options:

- 1) 102000
- 2) 100000
- 3) 98000
- 4) 101204

Correct Answer: 100000**Candidate Answer:** 100000

QID : 58 - A sum of Rs 3170 is divided among X, Y and Z such that if Rs 13, Rs 12 and Rs 18 will be diminished from the shares of X, Y and Z respectively, then their shares will be in the ratio 20 : 18 : 21. What is the initial share (in Rs) of Z?

3170 रु की राशि को X, Y तथा Z में इस प्रकार विभाजित किया गया है कि यदि X, Y तथा Z के हिस्सों में से क्रमशः 13 रु, 12 रु तथा 18 रु कम कर दिए जाए, तो उनके हिस्से 20 : 18 : 21 के अनुपात में होंगे। Z का आरंभिक हिस्सा (रु में) क्या है?

Options:

- 1) 1131
- 2) 1530
- 3) 910
- 4) 1350

Correct Answer: 1131**Candidate Answer:** 1131

QID : 59 - In what ratio sugar of Rs 38 per kg and Rs 30 per kg be mixed with each other so that on selling mixture at Rs 35.2 per kg there will be a profit of 10%?

38 रु प्रति कि.ग्रा. तथा 30 रु प्रति कि.ग्रा. वाली चीनी को किस अनुपात में मिलाया जाए, ताकि मिश्रण को 35.2 रु प्रति कि.ग्रा. का बेचने पर 10% का लाभ हो जाए?

Options:

- 1) 1 : 3
- 2) 3 : 7
- 3) 13 : 7
- 4) 9 : 4

Correct Answer: 1 : 3**Candidate Answer:** 1 : 3

QID : 60 - Among four students sitting in a row, average age of last three students is 20 years and the average age of first three students is 21 years. If the age of first student is 26 years, then what is the age (in years) of the last student?

एक पंक्ति में बैठे चार विद्यार्थियों में से, अंतिम तीन विद्यार्थियों की औसत आयु 20 वर्ष है तथा प्रथम तीन विद्यार्थियों की औसत आयु 21 वर्ष है। यदि प्रथम विद्यार्थी की आयु 26 वर्ष है, तो अंतिम विद्यार्थी की आयु (वर्षों में) क्या है?

Options:

1) 23

2) 37

3) 24

4) 29

Correct Answer: 23

Candidate Answer: 23

QID : 61 - A person borrows some money for 4 years at the rate of simple interest. If the ratio of principal and total interest is 5 : 1, then what is the rate (in percentage) of interest?

एक व्यक्ति साधारण ब्याज की दर से 4 वर्षों के लिए कुछ धनराशि उधार लेता है। यदि मूलधन तथा कुल ब्याज का अनुपात 5 : 1 है, तो ब्याज की दर (प्रतिशत में) क्या है?

Options:

1) 5

2) 25

3) 10

4) 20

Correct Answer: 5

Candidate Answer: 5

QID : 62 - Cost price of a calculator is Rs 495. If the profit percentage is 40%, then what is the value (in Rs) of profit?

एक कैलकुलेटर का क्रय मूल्य 495 रु है। यदि लाभ प्रतिशत 40% है, तो लाभ का मान (रु में) क्या है?

Options:

1) 226

2) 198

3) 186

4) 218

Correct Answer: 198

Candidate Answer: 198

QID : 63 - Rajesh buys a table of Rs 900 and sells it. Rajesh gives two successive discount of 10% and 20% to the customer. What will be the selling price (in Rs) of the table?

राजेश 900 रु की एक मेज खरीदता है तथा उसे बेच देता है। राजेश ग्राहक को 10% तथा 20% की दो क्रमिक छूट देता है। मेज का विक्रय मूल्य (रु में) क्या होगा?

Options:

1) 568

2) 648

3) 728

4) 668

Correct Answer: 648

Candidate Answer: 648

QID : 64 -

What is the value of $\sqrt{3^4 + 12^2}$?

$\sqrt{3^4 + 12^2}$ का मान क्या है?

Options:

1) 13

2) 15

3) 17

4) 19

Correct Answer: 15

Candidate Answer: 15

QID : 65 - A work can be completed by 28 women in 36 days. If 4 women leave after working for 18 days, then how many days will be needed to complete the remaining work?

28 महिलाएँ एक कार्य को 36 दिन में पूरा कर सकती हैं। यदि 4 महिलाएँ 18 दिन के पश्चात कार्य छोड़कर चली जाएँ, तो बचे हुए कार्य को पूरा होने में कितने दिन लगेंगे?

Options:

1) 24

2) 21

3) 27

4) 25

Correct Answer: 21

Candidate Answer: 21

QID : 66 - A car moves at a speed of 72 km/hr after repairing and moves at the speed of 54 km/hr before repairing. It covers X distance in 6 hours after repairing. How much time (in hours) will it take to cover 3X distance before repairing?

एक कार मरम्मत कराने के पश्चात 72 कि.मी./घंटा की गति से चलती है तथा मरम्मत कराने से पहले 54 कि.मी./घंटा की गति से चलती है। मरम्मत कराने के पश्चात वह X दूरी को 6 घंटे में तय करती है। मरम्मत कराने से पहले 3X दूरी करने में तय कितना समय (घंटों में) लेगी?

Options:

- 1) 20
- 2) 24
- 3) 18
- 4) 21

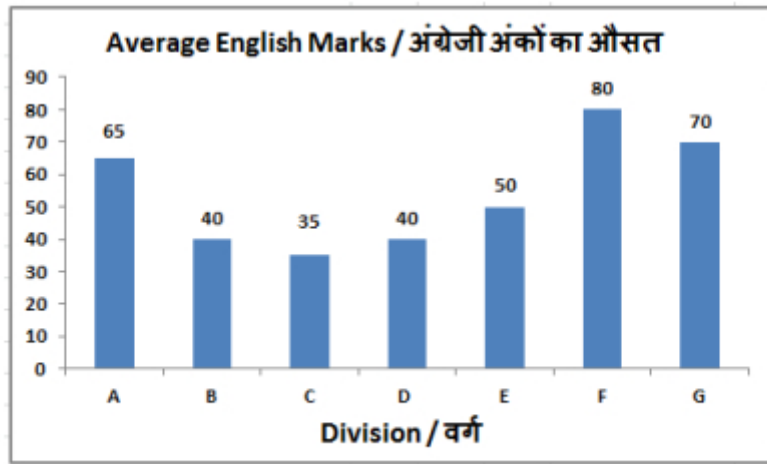
Correct Answer: 24

Candidate Answer: 24

QID : 67 -

The bar graph shows average marks scored in a 100 marks English exam by students of 7 divisions of Standard X. Study the diagram and answer the following questions.

यह बार ग्राफ कक्षा X के 7 वर्गों के विद्यार्थियों द्वारा 100 अंकों की अंग्रेजी की परीक्षा में प्राप्त किये गये औसत अंक दर्शाता है। इस आरेख का अध्ययन करें और निम्नलिखित प्रश्नों के उत्तर दें।



Which division scored the second highest average marks?

किस वर्ग ने दूसरे उच्चतम औसत अंक प्राप्त किये हैं?

Options:

- 1) F
- 2) B
- 3) G
- 4) D

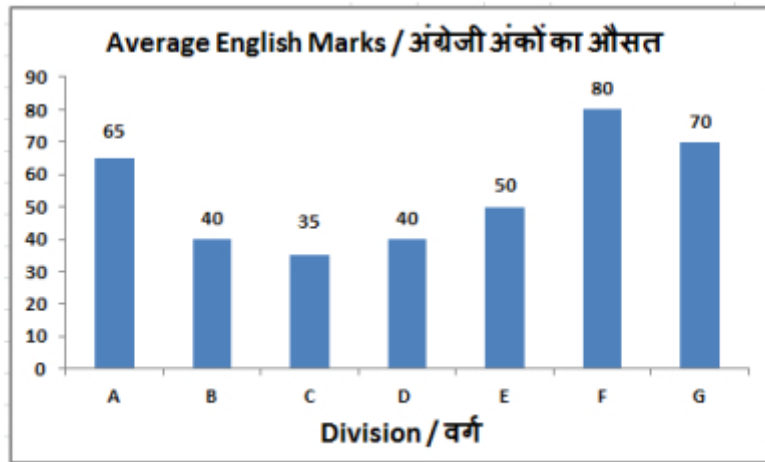
Correct Answer: G

Candidate Answer: G

QID : 68 -

The bar graph shows average marks scored in a 100 marks English exam by students of 7 divisions of Standard X. Study the diagram and answer the following questions.

यह बार ग्राफ कक्षा X के 7 वर्गों के विद्यार्थियों द्वारा 100 अंकों की अंग्रेजी की परीक्षा में प्राप्त किये गये औसत अंक दर्शाता है। इस आरेख का अध्ययन करें और निम्नलिखित प्रश्नों के उत्तर दें।



What is the ratio of average marks scored by Division C to Division G?

वर्ग C और वर्ग G द्वारा प्राप्त किये गए औसत अंकों का अनुपात क्या है?

Options:

- 1) 2 : 1
- 2) 1 : 2
- 3) 4 : 7
- 4) 7 : 4

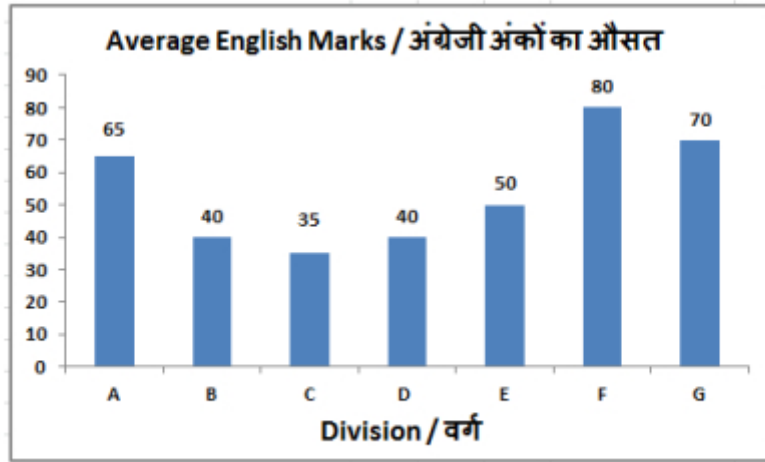
Correct Answer: 1 : 2

Candidate Answer: 1 : 2

QID : 69 -

The bar graph shows average marks scored in a 100 marks English exam by students of 7 divisions of Standard X. Study the diagram and answer the following questions.

यह बार ग्राफ कक्षा X के 7 वर्गों के विद्यार्थियों द्वारा 100 अंकों की अंग्रेजी की परीक्षा में प्राप्त किये गये औसत अंक दर्शाता है। इस आरेख का अध्ययन करें और निम्नलिखित प्रश्नों के उत्तर दें।



Marks of division F were greater than that of Division B by _____

वर्ग F के द्वारा प्राप्त किये गये अंक वर्ग B के मुकाबले _____ अधिक थे।

Options:

- 1) 50%
- 2) 150%
- 3) 200%
- 4) 100%

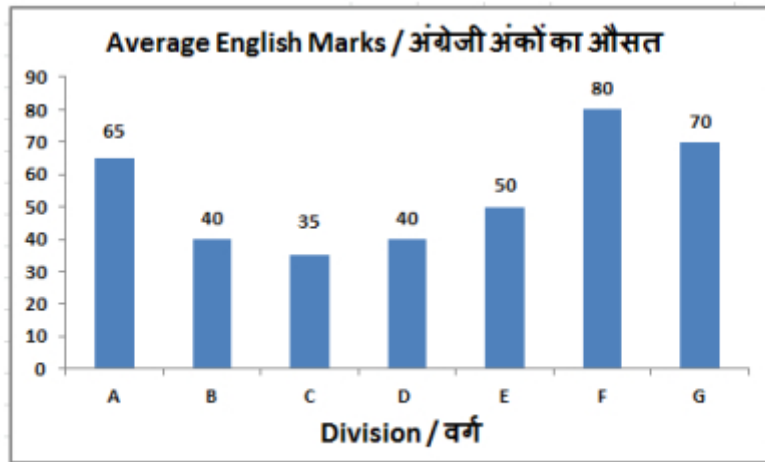
Correct Answer: 100%

Candidate Answer: 100%

QID : 70 -

The bar graph shows average marks scored in a 100 marks English exam by students of 7 divisions of Standard X. Study the diagram and answer the following questions.

यह बार ग्राफ कक्षा X के 7 वर्गों के विद्यार्थियों द्वारा 100 अंकों की अंग्रेजी की परीक्षा में प्राप्त किये गये औसत अंक दर्शाता है। इस आरेख का अध्ययन करें और निम्नलिखित प्रश्नों के उत्तर दें।



If all students of Division B got bonus 5 marks each for winning an interschool match their new average marks would increase by how much?

यदि वर्ग B के सभी छात्रों में प्रत्येक को एक इंटरस्कूल मैच जीतने के लिए 5 अंक बोनस के रूप में मिले तो उनके नए औसत अंक कितना बढ़ जायेंगे?

Options:

- 1) 12.50%
- 2) 5%
- 3) 25%
- 4) 10%

Correct Answer: 12.50%

Candidate Answer: 12.50%

QID : 71 - The length and breadth of a rectangle are 24 cm and 7 cm respectively. Calculate its perimeter (in cm).

एक आयत की लंबाई और चौड़ाई क्रमशः 24 सें.मी. और 7 सें.मी. है। इसके परिमाप (सें.मी. में) की गणना करें।

Options:

- 1) 124
- 2) 48
- 3) 62
- 4) 96

Correct Answer: 62

Candidate Answer: 62

QID : 72 - If the diameter of a circle is 35 cm, then what will be its circumference (in cm)?

यदि एक वृत्त का व्यास 35 सें.मी. है, तो उसकी परिधि (सें.मी. में) क्या होगी?

Options:

- 1) 110
- 2) 220
- 3) 21
- 4) 42

Correct Answer: 110

Candidate Answer: 110

QID : 73 - Find the volume (in cm^3) of a sphere of diameter 7 cm.

7 सें.मी. व्यास के गोले का आयतन (घन सें.मी. में) ज्ञात करें।

Options:

- 1) 140.25
- 2) 179.67
- 3) 337.16
- 4) 213.74

Correct Answer: 179.67

Candidate Answer: 179.67

QID : 74 - ΔPQR is right angled at Q. If $m\angle R = 45^\circ$, then find the value of $(\operatorname{cosec} P - \sqrt{3}/2)$.

ΔPQR में Q पर समकोण है। यदि $m\angle R = 45^\circ$ है, तो $(\operatorname{cosec} P - \sqrt{3}/2)$ का मान ज्ञात करें।

Options:

- 1) $(3\sqrt{3}-1)/3$
- 2) $2/\sqrt{3}$
- 3) $(2-\sqrt{3})/\sqrt{3}$
- 4) $(2\sqrt{2}-\sqrt{3})/2$

Correct Answer: $(2\sqrt{2}-\sqrt{3})/2$

Candidate Answer: $(2\sqrt{2}-\sqrt{3})/2$

QID : 75 - ΔXYZ is right angled at Y. If $\operatorname{cosec} X = 17/15$, then what is the value of $\cot Z$?

ΔXYZ में Y पर समकोण है। यदि $\operatorname{cosec} X = 17/15$, तो $\cot Z$ का मान क्या है?

Options:

- 1) $17/15$
- 2) $8/17$
- 3) $17/8$
- 4) $15/8$

Correct Answer: $15/8$

Candidate Answer: $15/8$

QID : 76 - Which among the following is NOT a 'geographical indicator'?

निम्नलिखित में से कौन सा एक "भौगोलिक सूचक" नहीं है?

Options:

- 1) Kani Shawi
कानी शावी
- 2) Naga Mircha
नागा मिर्च
- 3) Mysore Silk
मैसूर सिल्क
- 4) Darjeeling Basmati
दार्जिलिंग बासमती

Correct Answer: Darjeeling Basmati

दार्जिलिंग बासमती

Candidate Answer: [NOT ANSWERED]

QID : 77 - The first Chairman of Disinvestment Commission was _____.

विनिवेश आयोग के प्रथम अध्यक्ष _____ थे।

Options:

- 1) GV Ramkrishna
जी.वी. रामकृष्ण
- 2) Madhu Dandavete
मधु दंडवते
- 3) C Rangarajan
सी. रंगराजन
- 4) Indira Gandhi
इंदिरा गांधी

Correct Answer: GV Ramkrishna

जी.वी. रामकृष्ण

Candidate Answer: [NOT ANSWERED]

QID : 78 - Which of the following was not mentioned in the Dhamma?

निम्न में से कौन-सा तत्व धम्म में वर्णित नहीं था?

Options:

- 1) Obedience to parents
माता-पिता का आज्ञा पालन
- 2) Charity
दान-पुण्य
- 3) Paternalism
भातृ-भाव
- 4) Faith in Sangha
संघ के प्रति आस्था

Correct Answer: Faith in Sangha

संघ के प्रति आस्था

Candidate Answer: [NOT ANSWERED]

QID : 79 - Which of the following work is not credited to Lord Dalhousie?

निम्नलिखित में से किस कार्य का श्रेय लार्ड डलहौजी को नहीं दिया जाता है?

Options:

- 1) Merger of Punjab
पंजाब का विलय
- 2) Merger of Bengal
बंगाल का विलय
- 3) Merger of Mysore
मैसूर का विलय
- 4) Merger of Satara
सतारा का विलय

Correct Answer: Merger of Mysore

मैसूर का विलय

Candidate Answer: Merger of Bengal

बंगाल का विलय

QID : 80 - Which of the following are the smaller planets than the size of the Earth?

इनमें से कौन पृथ्वी के आकार की तुलना में छोटे ग्रह हैं?

Options:

1) Uranus and Mars

अरुण और मंगल

2) Neptune and Venus

वरुण और शुक्र

3) Venus and Mars

शुक्र और मंगल

4) Neptune and Mars

वरुण और मंगल

Correct Answer: Venus and Mars

शुक्र और मंगल

Candidate Answer: Venus and Mars

शुक्र और मंगल

QID : 81 - Which of the following Indian states has the smallest coastline?

निम्नलिखित में से किस भारतीय राज्य की समुद्रतटीय सीमा सबसे छोटी है?

Options:

1) Goa

गोवा

2) Kerala

केरल

3) Odisha

ओडिशा

4) West Bengal

पश्चिम बंगाल

Correct Answer: Goa

गोवा

Candidate Answer: Goa

गोवा

QID : 82 - Which place is NOT associated with Gautama Buddha?

कौन-सा स्थान गौतम बुद्ध से संबद्ध नहीं है?

Options:

- 1) Saranath
सारनाथ
- 2) Bodh Gaya
बोधगया
- 3) Kushinagar
कुशीनगर
- 4) Pawapuri
पावापुरी

Correct Answer: Pawapuri

पावापुरी

Candidate Answer: [NOT ANSWERED]

QID : 83 - Kishanganga Project is a major reason for contention between India and_____.

किशनगंगा परियोजना भारत तथा _____ के बीच विवाद का मुख्य कारण है।

Options:

- 1) Nepal
नेपाल
- 2) Bangladesh
बांग्लादेश
- 3) Pakistan
पाकिस्तान
- 4) China
चीन

Correct Answer: Pakistan

पाकिस्तान

Candidate Answer: Nepal

नेपाल

QID : 84 - Which of the following man has been honoured with 'Uttam Jeevan Raksha Padak' the second-highest Gallantry award for civilians?

निम्नलिखित में से किस व्यक्ति को नागरिकों दिए जाने वाले दूसरे सर्वोच्च वीरता पुरस्कार 'उत्तम जीवन रक्षा पदक' से सम्मानित किया गया है?

Options:

- 1) Salim Gafur Shaikh
सलीम गफूर शेख
- 2) Saurabh Sinha
सौरभ सिन्हा
- 3) Nihalchand Sodhi
निहाल चंद सोढ़ी
- 4) Mahendra Giri
महेंद्र गिरि

Correct Answer: Salim Gafur Shaikh

सलीम गफूर शेख

Candidate Answer: [NOT ANSWERED]

QID : 85 - What is the name of official capital of Sri Lanka?

श्रीलंका की आधिकारिक राजधानी का नाम क्या है?

Options:

- 1) Colombo
कोलंबो
- 2) Sri Jayewardenepura
श्री जयवर्धनेपुरा
- 3) Ceylon
सीलोन
- 4) Kandy
कैंडी

Correct Answer: Sri Jayewardenepura

श्री जयवर्धनेपुरा

Candidate Answer: Sri Jayewardenepura

श्री जयवर्धनेपुरा

QID : 86 - Which statements are **CORRECT**?

- I. In early 1930's Nylon was prepared from coal, water and air.
- II. Nylon was the first fully synthetic fibre.
- III. Nylon fibre was strong, elastic and light.

कौन से कथन **सही** हैं?

- I. 1930 के दशक की शुरुआत में नाइलॉन का निर्माण कोयले, जल तथा वायु से किया गया ।
- II. नाइलॉन प्रथम पूर्ण रूप से संश्लेषित रेशा था ।
- III. नाइलॉन रेशा प्रबल, प्रत्यास्थ तथा हल्का था ।

Options:

- 1) Only I and II
केवल I तथा II
- 2) Only I and III
केवल I तथा III
- 3) Only II and III
केवल II तथा III
- 4) All I, II and III
I, II तथा III सभी

Correct Answer: All I, II and III

I, II तथा III सभी

Candidate Answer: [NOT ANSWERED]

QID : 87 - Which of the following statement is **CORRECT**?

निम्नलिखित में से कौन सा कथन **सही** है?

Options:

- 1) Gold and Silver are not ductile.
सोना तथा चाँदी तन्य नहीं होते हैं ।
- 2) Phosphorus and Nitrogen are ductile.
फॉस्फोरस तथा नाइट्रोजन तन्य होते हैं ।
- 3) Copper and Platinum are ductile.
ताँबा तथा प्लेटिनम तन्य होते हैं ।
- 4) Sulphur and Phosphorus are sonorous.
सल्फर तथा फॉस्फोरस ध्वन्यात्मक होते हैं ।

Correct Answer: Copper and Platinum are ductile.

ताँबा तथा प्लेटिनम तन्य होते हैं ।

Candidate Answer: [NOT ANSWERED]

QID : 88 - _____ is not formally prescribed device available to members of parliament.

_____ संसद के सदस्यों के लिए औपचारिक रूप से निर्धारित उपकरण नहीं है ।

Options:

- 1) Zero hour
शून्यकाल
- 2) Call Attention Notice
ध्यान आकर्षण प्रस्ताव
- 3) Half-an hour discussion
आधे घंटे की चर्चा
- 4) Short-duration discussion
अल्पकालिक चर्चा

Correct Answer: Zero hour

शून्यकाल

Candidate Answer: Half-an hour discussion

आधे घंटे की चर्चा

QID : 89 - Which type of city administration controls smaller urban areas?

नगर प्रशासन का कौन सा प्रकार छोटे शहरी क्षेत्रों का नियंत्रण करती है?

Options:

1) Nagar Panchayat

नगर पंचायत

2) Municipal Council

नगरपालिका परिषद

3) Municipal Corporation

नगर निगम

4) No option is correct.

कोई विकल्प सही नहीं है।

Correct Answer: Municipal Council

नगरपालिका परिषद

Candidate Answer: Municipal Council

नगरपालिका परिषद

QID : 90 - Gaseous exchange takes place in leaves through tiny pores for the purpose of photosynthesis. What are these pores?

प्रकाश संश्लेषण के लिए गैसों का आदान-प्रदान सूक्ष्म छिद्रों से होता है। यह छिद्र क्या है?

Options:

1) Chloroplast

हरितलवक (क्लोरोप्लास्ट)

2) Stomata

रंध्र

3) Chlorophyll

पर्णहरित (क्लोरोफिल)

4) Vacuole

रिक्तिका

Correct Answer: Stomata

रंध्र

Candidate Answer: Stomata

रंध्र

QID : 91 - Lymph carries digested and absorbed fat from _____.

लसीका _____ से पचा हुआ तथा अवशोषित वसा का वहन करती है।

Options:

1) lungs

फेफड़ों

2) intestine

क्षुद्रांत्र

3) stomach

अमाशय

4) kidney

वृक्क

Correct Answer: intestine

क्षुद्रांत्र

Candidate Answer: kidney

वृक्क

QID : 92 - How many 'Pradhan Mantri LPG Panchayat' would be organised across the country in next one and half year under the 'Pradhan Mantri LPG Panchayat Yojna?'

'प्रधानमंत्री एलपीजी पंचायत योजना' के अंतर्गत अगले डेढ़ वर्ष में देश में कितने 'प्रधानमंत्री एलपीजी पंचायत' का आयोजन किया जाएगा?

Options:

1) 2 lakh

2 लाख

2) 1 lakh

1 लाख

3) 3 lakh

3 लाख

4) 5 lakh

5 लाख

Correct Answer: 1 lakh

1 लाख

Candidate Answer: [NOT ANSWERED]

QID : 93 - What is the name of the new upgraded version of indigenous transport aircraft SARAS?

देश में ही बने परिवहन विमान सारस के उन्नत संस्करण का नाम क्या है?

Options:

- 1) SARAS PT1N
सारस पीटी1एन
- 2) SARAS ML-3S
सारस एमएल-3 एस
- 3) SARAS AL-5C
सारस एएल-5 सी
- 4) SARAS FF-1F
सारस एफएफ-1 एफ

Correct Answer: SARAS PT1N

सारस पीटी1एन

Candidate Answer: [NOT ANSWERED]

QID : 94 - In December 2017, Mid-Term Review of the Foreign Trade Policy (FTP) was released. The review announced how much percent increase each in incentive rates of Merchandise Exports from India Scheme and Services Export from India Scheme?

दिसम्बर 2017 में, विदेश व्यापार नीति (एफटीपी) की मध्य-अवधि की समीक्षा जारी की गई। समीक्षा में यह घोषणा की गई कि भारत स्कीम एवं भारत स्कीम से आयातित सेवाओं की योजना से मर्चेडाइज एक्सपोर्ट्स की प्रोत्साहन दर में कितनी प्रतिशत वृद्धि होगी?

Options:

- 1) 5%
- 2) 10%
- 3) 2%
- 4) 15%

Correct Answer: 2%

Candidate Answer: [NOT ANSWERED]

QID : 95 - On 10 April 2017, Lok Sabha passed the Human Immunodeficiency Virus (HIV) and AIDS (Prevention Control) Bill, 2017. Under the new provisions, which of the following is not included?

10 अप्रैल 2017 को, लोकसभा ने ह्यूमन इम्यूनोडिफिशिएंसी वायरस (एचआईवी) तथा एड्स (रोकथाम नियंत्रण) विधेयक, 2017 पास किया। नए प्रावधानों के अंतर्गत निम्नलिखित में से कौन सा सम्मिलित नहीं है?

Options:

- 1) Establishments keeping records of information of person living with HIV must adopt data protection measures.
एचआईवी के साथ रहने वाले व्यक्ति की जानकारी रखने वाले प्रतिष्ठानों को डाटा सुरक्षा उपायों को अपनाना चाहिए।
- 2) Person will be compelled to disclose his HIV status if even he/she does not give his/her Consent.
व्यक्ति को अपनी एचआईवी स्थिति का खुलासा करने के लिए मजबूर किया जाएगा यदि वह अपनी सहमति नहीं देता है।
- 3) Prohibits any individual from advocating feeling of hatred against HIV positive persons.
एचआईवी पॉजिटिव व्यक्तियों से नफरत की भावना की वकालत करने से किसी व्यक्ति पर निषेध करता है।
- 4) All are included.
सभी सम्मिलित हैं।

Correct Answer: Person will be compelled to disclose his HIV status if even he/she does not give his/her Consent.

व्यक्ति को अपनी एचआईवी स्थिति का खुलासा करने के लिए मजबूर किया जाएगा यदि वह अपनी सहमति नहीं देता है।

Candidate Answer: All are included.

सभी सम्मिलित हैं।

QID : 96 - A body of mass 5 kg accelerates from 12 m/s to 20 m/s in 4 seconds due to the application of a force on it. Calculate the magnitude of this force (in N).

5 कि.ग्रा द्रव्यमान वाली किसी वस्तु पर 4 सेकंड तक बल लगाने से वस्तु का वेग 12 मी./से. से 20 मी./से. हो जाता है। इस बल की गणना (N में) करें।

Options:

- 1) 40
- 2) 10
- 3) 20
- 4) 80

Correct Answer: 10

Candidate Answer: [NOT ANSWERED]

QID : 97 - For a body moving with uniform acceleration its final velocity equals _____.

यदि वस्तु का त्वरण समान रूप से परिवर्तित हो रहा है तो इसका अंतिम वेग _____ के बराबर होता है।

Options:

- 1) average velocity - initial velocity
औसत वेग - प्रारंभिक वेग
- 2) 2 x average velocity - initial velocity
2 x औसत वेग - प्रारंभिक वेग
- 3) 2 x average velocity + initial velocity
2 x औसत वेग + प्रारंभिक वेग
- 4) average velocity + initial velocity
औसत वेग + प्रारंभिक वेग

Correct Answer: 2 x average velocity - initial velocity

2 x औसत वेग - प्रारंभिक वेग

Candidate Answer: [NOT ANSWERED]

QID : 98 - Features and habits that help animals to adapt to their surroundings are a result of the process of _____.

वे सभी गुण तथा लक्षण जो जंतुओं को उनके परिवेश से अनुकूलन में सहायक होते हैं _____ की प्रक्रिया का परिणाम है।

Options:

- 1) maturation
परिपक्वण
- 2) evolution
उद्विकास
- 3) progression
अनुक्रम
- 4) renewal
नवीनीकरण

Correct Answer: evolution

उद्विकास

Candidate Answer: evolution

उद्विकास

QID : 99 - Which of the statements given below are correct?

- A) Indian Grandmaster won the 2017 Chess World Cup.
- B) In 2017, Roberto Firmino played for the Premier League team Leicester City.
- C) In 2018 IPL auctions, Rajasthan Royals retained MS Dhoni.

निम्नलिखित में से कौन सा कथन सत्य है?

- A) वर्ष 2017 का शतरंज वर्ल्ड कप भारतीय ग्रांडमास्टर ने जीता ।
- B) वर्ष 2017 में रॉबर्टो फ़िरमिनो प्रीमियर लीग टीम लीस्टर सिटी के लिए खेले ।
- C) वर्ष 2018 की आईपीएल नीलामी में राजस्थान रॉयल्स ने एम एस धोनी को रिटेन किया ।

Options:

- 1) Only A
केवल A
- 2) Only B
केवल B
- 3) Only C
केवल C
- 4) None
कोई नहीं

Correct Answer: None

कोई नहीं

Candidate Answer: Only A

केवल A

QID : 100 - In Microsoft Word, there are basically two types of formatting - character formatting and _____.

माइक्रोसॉफ्ट वर्ड में, मूलतः दो प्रकार की फॉर्मेटिंग होती हैं - कैरेक्टर फॉर्मेटिंग और _____ ।

Options:

1) Paragraph formatting

पैराग्राफ फॉर्मेटिंग

2) Sentence formatting

सेंटेंस फॉर्मेटिंग

3) Word formatting

वर्ड फॉर्मेटिंग

4) Font formatting

फॉन्ट फॉर्मेटिंग

Correct Answer: Paragraph formatting

पैराग्राफ फॉर्मेटिंग

Candidate Answer: [NOT ANSWERED]

SSC CHSL 6 March 2018 Afternoon Shift

Quant

Instructions

For the following questions answer them individually

Question 1

A ship is full of cargo containers. It drops $\frac{2}{3}$ of cargo containers at the first port and takes 60 more, at the second port it drops two third of the new total and takes eleven more. On arriving at the third port it is found that it have 48 cargo containers. Find the number of cargo containers in the ship at the starting?

A 189

B 159

C 161

D 153

Answer: D

Explanation:

Let number of cargo containers in the starting = $3x$

It drops $\frac{2}{3}$ of cargo containers at the first port and takes 60 more.

$$\Rightarrow \text{Number of cargo containers when the ship left first port} = 3x - \left(\frac{2}{3} \times 3x\right) + 60 = (x + 60)$$

Similarly, number of cargo containers after leaving second port = on arriving at third port,

$$\Rightarrow \frac{x+60}{3} + 11 = 48$$

$$\Rightarrow \frac{x+60}{3} = 48 - 11 = 37$$

$$\Rightarrow x + 60 = 37 \times 3 = 111$$

$$\Rightarrow x = 111 - 60 = 51$$

$$\therefore \text{Number of cargo containers in the ship at the starting} = 3 \times 51 = 153$$

\Rightarrow Ans - (D)

Question 2

Out of a group of three numbers, second is thrice of the first and also twice of the third. If the sum of the three numbers is 55 then find the largest number in the group.

A 26

B 29

C 30

D 32

Answer: C

Explanation:

Let second number = $6x$

=> First number = $2x$ and third number = $3x$

=> Sum = $6x + 2x + 3x = 55$

=> $x = \frac{55}{11} = 5$

∴ Largest number = $6 \times 5 = 30$

=> Ans - (C)

Question 3

Two whole numbers are such that the cube of first number exceeds the cube of second by 61 and the ratio of the numbers is 5:4. What is the value of larger number?

A 3

B 4

C 5

D 6

Answer: C

Explanation:

Let the numbers be $5x$ and $4x$

According to ques,

=> $(5x)^3 - (4x)^3 = 61$

=> $125x^3 - 64x^3 = 61x^3 = 61$

=> $x^3 = \frac{61}{61} = 1$

=> $x = \sqrt[3]{1} = 1$

∴ Larger number = $5 \times 1 = 5$

=> Ans - (C)

Question 4

Determine the value of 'x' when $\sqrt[3]{3^x} = 27$

A 1

B 3

C 9

D 12

Answer: C

Explanation:

Expression : $\sqrt[3]{3^x} = 27$

$$\Rightarrow (3)^{\frac{x}{3}} = (3)^3$$

Comparing both exponents, we get :

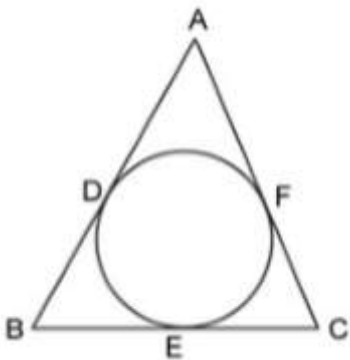
$$\Rightarrow \frac{x}{3} = 3$$

$$\Rightarrow x = 3 \times 3 = 9$$

\Rightarrow Ans - (C)

Question 5

Chose the CORRECT option for the figure shoown below.



A AD = AF

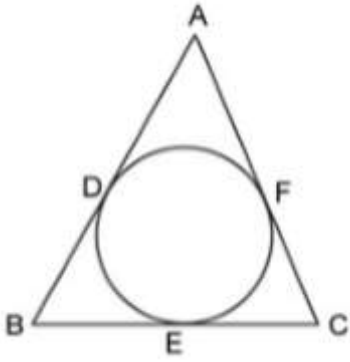
B BD = BE

C CE = FC

D All options are correct.

Answer: D

Explanation:



If two tangents are drawn to a circle from one external point, then their tangent segments (lines joining the external point and the points of tangency) are equal.

$$\Rightarrow AD = AF, BD = BE, CE = CF$$

Thus, all options are correct.

\Rightarrow Ans - (D)

Question 6

Calculate the length of the tangent (in cm) which is drawn from a point at a distance of 13 cm from the centre and the largest chord of that circle is 10 cm.

A 10

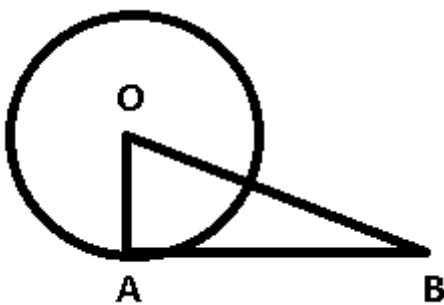
B 12

C 15

D 16

Answer: B

Explanation:



Given : Largest chord in a circle is the diameter, \Rightarrow radius $OA = \frac{10}{2} = 5$ cm and $OB = 13$ cm

To find : $AB = ?$

Solution : In right $\triangle OAB$,

$$\Rightarrow (AB)^2 = (OB)^2 - (OA)^2$$

$$\Rightarrow (AB)^2 = (13)^2 - (5)^2$$

$$\Rightarrow (AB)^2 = 169 - 25 = 144$$

$$\Rightarrow AB = \sqrt{144} = 12 \text{ cm}$$

\Rightarrow Ans - (B)

Question 7

If $C = 1200$ and $D = 1500$, then D is how much percent more than C ?

A 20

B 33.33

C 25

D 125

Answer: C

Explanation:

$$C = 1200 \text{ and } D = 1500$$

$$\Rightarrow \text{Required \%} = \frac{(1500-1200)}{1200} \times 100$$

$$= \frac{300}{1200} = 25\%$$

\Rightarrow Ans - (C)

Question 8

The ratio of three numbers is 5: 6: 8. If the sum of the three numbers is 380, then what is the smallest among the three numbers?

A 75

B 80

C 120

D 100

Answer: D

Explanation:

Let three numbers be $5x$, $6x$ and $8x$ respectively.

$$\text{Sum} = 5x + 6x + 8x = 380$$

$$\Rightarrow x = \frac{380}{19} = 20$$

$$\therefore \text{Smallest number} = 5 \times 20 = 100$$

\Rightarrow Ans - (D)

Question 9

20 kg of a mixture of wheat and husk contains 5% husk. How many kg more of husk must be added to make the husk content 20% in the new mixture?

- A 2.75
- B 3.75
- C 4.75
- D 5.75

Answer: B

Explanation:

% husk in 20 kg mixture = 5%

$$\Rightarrow \text{Quantity of husk} = \frac{5}{100} \times 20 = 1 \text{ kg}$$

Let x kg of husk is added

According to ques,

$$\Rightarrow x + 1 = \frac{20}{100} \times (x + 20)$$

$$\Rightarrow 5x + 5 = x + 20$$

$$\Rightarrow 5x - x = 20 - 5$$

$$\Rightarrow 4x = 15$$

$$\Rightarrow x = \frac{15}{4} = 3.75$$

\therefore **3.75 kg** of husk must be added to make the husk content 20% in the new mixture.

\Rightarrow Ans - (B)

Question 10

What is the average of first 11 multiples of 11?

- A 22
- B 44
- C 55
- D 66

Answer: D

Explanation:

First eleven multiples of 11 will form an arithmetic progression : 11,22,33,.....,121

First term, $a = 11$ and common difference, $d = 11$

$$\text{Sum of } n \text{ terms} = \frac{n}{2}(a + l)$$

$$\Rightarrow S_{11} = \frac{11}{2}(11 + 121)$$

$$= 11 \times 66$$

$$\text{Now, average of 11 terms} = \frac{11 \times 66}{11} = 66$$

\Rightarrow Ans - (D)

Question 11

A sum of Rs 15200 is divided into two parts. The simple interest on first part at the rate of 25% per annum is equal to the simple interest on second part at the rate of 13% per annum. What is the interest (in Rs) of each part?

A 2500

B 1300

C 3250

D 1625

Answer: B

Explanation:

Let sum invested for 25% = Rs. $100x$ and sum invested for 13% = Rs. $(15200 - 100x)$

Time period = 1 year

$$\Rightarrow \text{Simple interest} = \frac{P \times R \times T}{100}$$

According to ques,

$$\Rightarrow \frac{100x \times 25 \times 1}{100} = \frac{(15200 - 100x) \times 13 \times 1}{100}$$

$$\Rightarrow 25x = (152 - x) \times 13$$

$$\Rightarrow 25x = 1976 - 13x$$

$$\Rightarrow 25x + 13x = 38x = 1976$$

$$\Rightarrow x = \frac{1976}{38} = 52$$

$$\therefore \text{Interest for each part} = \frac{100 \times 52 \times 25 \times 1}{100}$$

= Rs. 1300

\Rightarrow Ans - (B)

Question 12

Selling price of an article is Rs 27692 and loss percentage is 14%. If the selling price is Rs 37352, then what will be the profit percentage?

A 13.8

B 18.6

C 14

D 16

Answer: D

Explanation:

Selling price = Rs. 27,692

Loss % = 14%

$$\Rightarrow \text{Cost price} = \frac{27,692}{(100-14)} \times 100 = \text{Rs. } 32,200$$

If selling price = Rs. 37,352

$$\therefore \text{Profit \%} = \frac{(37,352-32,200)}{32,200} \times 100$$

$$= \frac{5152}{322} = 16\%$$

\Rightarrow Ans - (D)

Question 13

Hiten marks his pen at Rs 9800 and after allowing discount of 20%, he still earns 12% profit. What is the cost price (in Rs) of the pen?

A 7600

B 7200

C 6500

D 7000

Answer: D

Explanation:

Let the cost price = Rs. $100x$

$$\Rightarrow \text{Selling price} = 100x + \frac{12}{100} \times 100x = \text{Rs. } 112x \text{ -----(i)}$$

Also, Marked price = Rs. 9800 and discount % = 20%

$$\Rightarrow \text{Selling price} = 9800 - \frac{20}{100} \times 9800 = 9800 - 1960 = \text{Rs. } 7840 \text{ -----(ii)}$$

From equations (i) and (ii), we get :

$$\Rightarrow 112x = 7840$$

$$\Rightarrow x = \frac{7840}{112} = 70$$

$$\therefore \text{Cost price} = 100 \times 70 = \text{Rs. } 7000$$

=> Ans - (D)

Question 14

$$\sqrt{361} + \sqrt{3.61} + \sqrt{0.0361} ?$$

- A 20.9
- B 22.11
- C 22.49
- D 21.09

Answer: D

Explanation:

$$\text{Expression : } \sqrt{361} + \sqrt{3.61} + \sqrt{0.0361}$$

$$\text{We know that } (19)^2 = 361$$

$$= 19 + 1.9 + 0.19 = 21.09$$

=> Ans - (D)

Question 15

Raja and Kundan together can build a wall in 20 days, Kundan and Mahesh build the same wall in 30 days and Mahesh and Raja can build the same wall in 24 days. In how many days can all the three complete the same wall while working together?

- A 18
- B 16
- C 20
- D 14

Answer: B

Explanation:

Let total work to be done = L.C.M.(20,30,24) = 120 units

Let efficiency of Raja, Kundan and Mahesh be x, y, z respectively.

$$\text{Raja and Kundan together can build the wall in 20 days, } \Rightarrow x + y = \frac{120}{20} = 6 \text{ units/day -----(i)}$$

$$\text{Similarly, } y + z = \frac{120}{30} = 4 \text{ units/day -----(ii)}$$

$$\text{and } z + x = \frac{120}{24} = 5 \text{ units/day -----(iii)}$$

Adding equations (i), (ii) and (iii), we get :

$$\Rightarrow 2(x + y + z) = 6 + 4 + 5 = 15$$

$$\Rightarrow x + y + z = \frac{15}{2} = 7.5$$

$$\therefore \text{Time taken by all of them} = \frac{120}{7.5} = 16 \text{ days}$$

\Rightarrow Ans - (B)

Question 16

A man starts moving from a place A and reaches the place B in 26 hours. He covers $\frac{1}{3}$ rd of the distance at the speed of 4 km/hr and covers the remaining distance at the speed of 5 km/hr. What is the distance (in km) between A and B?

A 45

B 80

C 120

D 90

Answer: C

Explanation:

Let the distance between A and B be = $3d$ km

Distance covered at the speed of 4 km/hr = $\frac{1}{3} \times 3d = d$ km

Thus, remaining distance covered at the speed of 5 km/hr = $(3d - d) = 2d$ km

Using, time = distance/speed

$$\Rightarrow \frac{d}{4} + \frac{2d}{5} = 26$$

$$\Rightarrow \frac{(5d+8d)}{20} = 26$$

$$\Rightarrow d = 26 \times \frac{20}{13}$$

$$\Rightarrow d = 2 \times 20 = 40$$

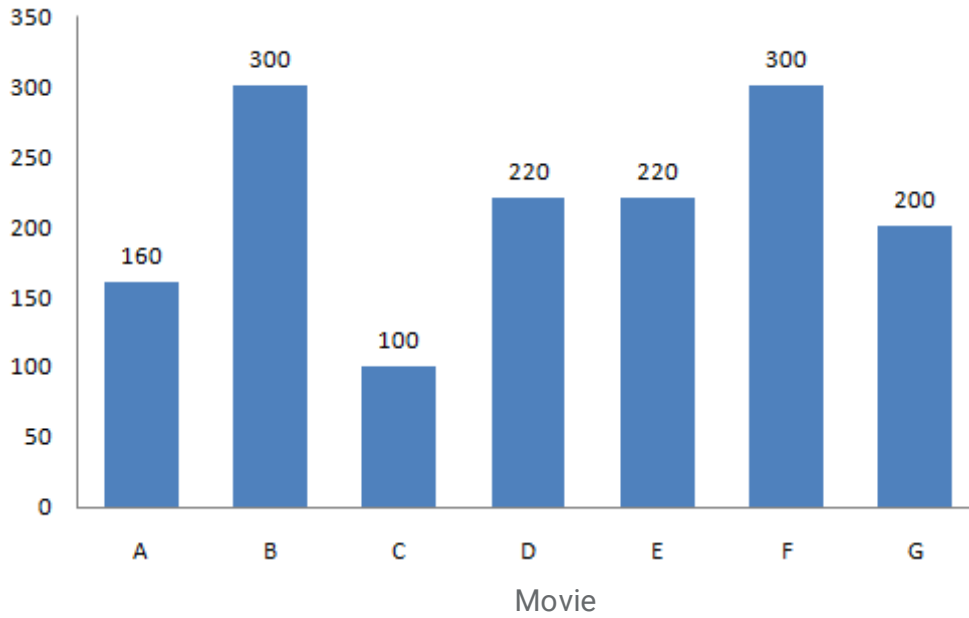
$$\therefore \text{Distance between A and B (in km)} = 3 \times 40 = 120$$

\Rightarrow Ans - (C)

Instructions

The bar graph shows results of a survey. 1500 people exiting a multiplex were asked which movie they watched? Study the diagram and answer the following questions.

Number of viewers



Question 17

Which movie had least number of viewers?

- A C
- B F
- C A
- D G

Answer: A

Explanation:

Clearly, movie C had the least number of viewers = 100

=> Ans - (A)

Question 18

What is the ratio of viewers of movie B to Viewers of movie A?

- A 8: 15
- B 2: 1
- C 15: 8
- D 1: 2

Answer: C

Explanation:

Number of viewers of movie B = 300

Number of viewers of movie A = 160

$$\Rightarrow \text{Required ratio} = \frac{300}{160} = 15 : 8$$

\Rightarrow Ans - (C)

Question 19

Viewers of movie D were lesser than that of movie F by _____.

A 47.7%

B 80%

C 26.67%

D 60%

Answer: C

Explanation:

Number of viewers of movie D = 220

Number of viewers of movie F = 300

$$\Rightarrow \text{Required \%} = \frac{(300-220)}{300} \times 100$$

$$= \frac{80}{3} = 26.67\%$$

\Rightarrow Ans - (C)

Question 20

If 30% of viewers of movies G and F left before intermission, how many viewers were left watching these two movies post intermission?

A 500

B 350

C 150

D 250

Answer: B

Explanation:

Number of viewers of movies G and F = 300 + 200 = 500

% of viewers that left = 30%

$$\Rightarrow \text{Number of viewers that were left watching these two movies post intermission} = \frac{(100-30)}{100} \times 500$$
$$= 70 \times 5 = 350$$

\Rightarrow Ans - (B)

Instructions

For the following questions answer them individually

Question 21

The area and the length of one of the diagonals of a rhombus is 54 cm² and 9 cm respectively. Find the length of its other diagonal (in cm).

A 6

B 24

C 12

D 18

Answer: C

Explanation:

Let length of one diagonal = d cm and length of other diagonal = 9 cm

$$\Rightarrow \text{Area of rhombus} = \frac{1}{2} \times d_1 d_2$$

$$\Rightarrow \frac{1}{2} \times 9 \times d = 54$$

$$\Rightarrow d = \frac{54 \times 2}{9}$$

$$\Rightarrow d = 12 \text{ cm}$$

\Rightarrow Ans - (C)

Question 22

Calculate the area (in cm²) of a circle of radius 10.5 cm.

A 693

B 157.5

C 315

D 346.5

Answer: D

Explanation:

Radius of circle = $r = 10.5$ cm

$$\Rightarrow \text{Area} = \pi r^2$$

$$= \frac{22}{7} \times 10.5 \times 10.5$$

$$= 22 \times 1.5 \times 10.5 = 346.5 \text{ cm}^2$$

=> Ans - (D)

Question 23

Find the total surface area (in cm^2) of a hemisphere of diameter 42 cm.

- A 4158
- B 5782
- C 6321
- D 7782

Answer: A

Explanation:

Radius of hemisphere, $r = \frac{42}{2} = 21 \text{ cm}$

Total surface area = $3\pi r^2$

$$= 3 \times \frac{22}{7} \times (21)^2$$

$$= 66 \times 3 \times 21 = 4158 \text{ cm}^2$$

=> Ans - (A)

Question 24

What is the value of $(\frac{1}{\sqrt{3}} + \sin 45^\circ)$?

- A $\sqrt{3} + 2$
- B $\frac{(\sqrt{2} + \sqrt{3})}{\sqrt{6}}$
- C $\frac{(1 + \sqrt{6})}{\sqrt{3}}$
- D $\frac{4 + \sqrt{3}}{2}$

Answer: B

Explanation:

Expression : $(\frac{1}{\sqrt{3}} + \sin 45^\circ)$

$$= \frac{1}{\sqrt{3}} + \frac{1}{\sqrt{2}}$$

$$= \frac{(\sqrt{2} + \sqrt{3})}{\sqrt{6}}$$

=> Ans - (B)

Question 25

In $\triangle XYZ$ measure of angle Y is 90° . If $\sin X = 4/5$, and $XY = 6\text{ cm}$, then what is the length (in cm) of side YZ?

A 10

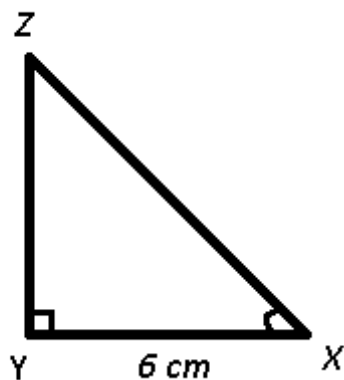
B 5

C 8

D 4

Answer: C

Explanation:



Given : $XY = 6\text{ cm}$ and $\sin X = 4/5$ -----(i)

To find : $YZ = ?$

Solution : $\cos X = \sqrt{1 - \sin^2 X}$

$$\Rightarrow \cos X = \sqrt{1 - \frac{16}{25}} = \sqrt{\frac{9}{25}} = \frac{3}{5} \text{ -----(ii)}$$

Dividing equation (i) by (ii), $\Rightarrow \tan X = \frac{4}{3}$

In right $\triangle XYZ$,

$$\Rightarrow \tan(X) = \frac{YZ}{XY}$$

$$\Rightarrow \frac{4}{3} = \frac{YZ}{6}$$

$$\Rightarrow YZ = \frac{4}{3} \times 6 = 8\text{ cm}$$

=> Ans - (C)

Reasoning

Instructions

For the following questions answer them individually

Question 26

In the following question, select the related word pair from the given alternatives.

Seconds: Time:: ?: ?

- A Angle: Pascal
- B Length: Metre
- C Area: Volume
- D Ohm: Resistance

Answer: D

Explanation:

Expression = Seconds: Time:: ?: ?

The first is the unit to measure second, i.e. seconds is the S.I. unit of time, similarly Ohm is the unit of Resistance.

=> Ans - (D)

Question 27

In the following question, select the related number from the given alternatives.

11: 16:: ?: ?

- A 14: 16
- B 15: 22
- C 7: 14
- D 13: 18

Answer: D

Explanation:

Expression = 11: 16:: ?: ?

The difference between the first and second number is 5. Among the options,

(A) : $16 - 14 = 2$

(B) : $22 - 15 = 7$

(C) : $14 - 7 = 7$

$$(D) : 18 - 13 = 5$$

=> Ans - (D)

Question 28

In the following question, select the related letter pair from the given alternatives.

AUR : CXV :: ? : ?

A RFT : SGU

B GEM : IHQ

C HSO : GRN

D KGA : NIE

Answer: B

Explanation:

Expression = AUR : CXV :: ? : ?

The pattern followed is :

A	U	R
(+2)	(+3)	(+4)
C	H	V

Similar pattern is observed only in :

G	E	M
(+2)	(+3)	(+4)
I	H	Q

=> Ans - (B)

Question 29

In the following question, select the odd word from the given alternatives.

A Rat

B Cat

C Fish

D Cow

Answer: C

Explanation:

Rat, cat and cow live on the land while fish swims in the sea, hence it is the odd one out.

=> Ans - (C)

Question 30

In the following question, four number pairs are given. The number on left side of (-) is related to the number of the right side of (-) with some Logic/Rule/Relation. Three are similar on basis of same Logic/Rule/Relation. Select the odd one out from the given alternatives.

A 31 - 33

B 33 - 35

C 37 - 39

D 35 - 39

Answer: D

Explanation:

The difference between each pair of numbers is 2.

But in the last option => $39 - 35 = 4$

Thus, (35 - 39) is the odd one out.

=> Ans - (D)

Question 31

In the following question, select the odd letter/letters from the given alternatives.

A IR

B LO

C EV

D AY

Answer: D

Explanation:

The pattern followed is that in each pair, the first letter is followed by the letter at its position, when the alphabets are reversed.

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
↓	↓	↓		
Z	Y	X	W	V	U	T	S	R	Q	P	O	N	M	L	K	J	I	H	G	F	E	D	C	B	A

I -> R, L -> O

E -> V, A -> Z

Thus, **AY** is the odd one out.

=> Ans - (D)

Question 32

Arrange the given words in the sequence in which they occur in the dictionary.

1. Opaque
2. Omission
3. Only
4. Onset
5. Omit

A 51243

B 25341

C 42513

D 21354

Answer: B

Explanation:

As per the order of dictionary,

= Omission -> Omit -> Only -> Onset -> Opaque

≡ 25341

=> Ans - (B)

Question 33

In the following question, select the missing number from the given series.

63, 56, 50, 43, 37, 30, ?

A 23

B 24

C 29

D 21

Answer: B

Explanation:

'7' and '6' are alternatively subtracted.

$$63 - 7 = 56$$

$$56 - 6 = 50$$

$$50 - 7 = 43$$

$$43 - 6 = 37$$

$$37 - 7 = 30$$

$$30 - 6 = 24$$

=> Ans - (B)

Question 34

A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.

S, Q, N, J, ?

A D

B E

C F

D G

Answer: B

Explanation:

Series : S, Q, N, J, ?

The pattern followed is :

S (-2 letters) = Q (-3 letters) = N (-4 letters) = J (-5 letters) = E

=> Ans - (B)

Question 35

Weight of C is twice the weight of M. Weight of M is $\frac{1}{9}$ of the weight of R. Weight of R is $\frac{5}{2}$ of the weight of K. Weight of K is $\frac{1}{3}$ of the weight of G. Who is the second lightest?

A C

B M

C K

D G

Answer: A

Explanation:

Let weight of G = $3x$ kg

=> K's weight = $\frac{1}{3} \times 3x = x$ kg

=> R's weight = $\frac{5}{2} \times x = 2.5x$ kg

$$\Rightarrow \text{M's weight} = \frac{1}{9} \times 2.5x = \frac{5x}{18} \text{ kg}$$

$$\Rightarrow \text{C's weight} = 2 \times \frac{5x}{18} = \frac{5x}{9} \text{ kg}$$

\therefore C is the second lightest.

\Rightarrow Ans - (A)

Question 36

From the given alternatives, select the word which CANNOT be formed using the letters of the given word.

Transaction

A Ran

B Action

C Train

D Role

Answer: D

Explanation:

The word TRANSACTION does not contain any 'O', thus the term **Role** cannot be formed.

\Rightarrow Ans - (D)

Question 37

In a certain code language, "MAKER" is written as "PDNHU". How is "TOOLS" written in that code language?

A VTRPM

B WRROV

C MLQGP

D PTNLR

Answer: B

Explanation:

"MAKER" is written as "PDNHU"

The pattern followed is :

M	A	K	E	R
(+3)	(+3)	(+3)	(+3)	(+3)
P	D	N	H	U

Similarly, for TOOLS :

T	O	O	L	S
(+3)	(+3)	(+3)	(+3)	(+3)
W	R	R	O	V

=> Ans - (B)

Question 38

In a certain code language, '-' represents 'x', '÷' represents '+', '+' represents '÷' and 'x' represents '-'. Find out the answer to the following question.

$$5 - 6 + 30 \times 8 \div 16 = ?$$

A 37

B 24

C 9

D 36

Answer: C

Explanation:

Expression : $5 - 6 + 30 \times 8 \div 16 = ?$

$$\equiv 5 \times 6 \div 30 - 8 + 16$$

$$= \frac{30}{30} + 8$$

$$= 1 + 8 = 9$$

=> Ans - (C)

Question 39

The following equation is incorrect. Which two signs should be interchanged to correct the equation?

$$18 + 26 - 25 \times 10 \div 5 = 42$$

A - and +

B ÷ and x

C x and -

D ÷ and -

Answer: A

Explanation:

Expression : $18 + 26 - 25 \times 10 \div 5 = 42$

(A) : - and +

$$\equiv 18 - 26 + 25 \times 10 \div 5 = 42$$

$$\text{L.H.S.} = -8 + \frac{250}{5}$$

$$= -8 + 50 = 42 = \text{R.H.S.}$$

=> Ans - (A)

Question 40

If $1\Delta-5 = 5$, $4\Delta7 = -28$ and $-1\Delta-3 = -3$, then find the value of $8\Delta-8 = ?$

A 64

B -48

C 45

D 74

Answer: A

Explanation:

Given : $1\Delta-5 = 5$, $4\Delta7 = -28$ and $-1\Delta-3 = -3$

If we replace ' Δ ' with 'x' and also multiply the final result with '-1', then we will get the desired result.

$$\text{Eg :- } -1(1 \times -5) = 5$$

$$\text{and } -1(4 \times 7) = -28 \text{ and } -1(-1 \times -3) = -3$$

$$\text{Similarly, } -1(8 \times -8) = 64$$

=> Ans - (A)

Question 41

Which of the following terms follows the trend of the given list?

YXYXYXZYX, YXYXYZXZYX, YXYXZYXYX, YXYZXXYXYX, YXZYXYXYX, _____.

A ZYXYXYXYX

B YXYXYXZYX

C YZXXYXYXYX

D YXYXYZXZYX

Answer: C

Explanation:

Expression : YXYXYXZYX, YXYXYZXZYX, YXYXZYXYX, YXYZXXYXYX, YXZYXYXYX, _____.

The pattern followed is that in each term there are 4 combinations of 'YX' and in each term, the position of 'Z' is shifting one place to the left starting from third last position.

Thus, in the missing term, the second term will be 'Z' = **YZXYXYXYX**

=> Ans - (C)

Question 42

Two rugby players start running from the same place on the pitch. Player A runs 20 m South, then turns to his left and runs 26 m. In the meanwhile Player B runs 12 m West, then he runs 6 m South, then he turns to his left and runs 38 m. Where is Player A with respect to Player B?

- A 26 m South
- B 14 m South
- C 14 m North
- D 26 m North

Answer: B

Question 43

In the question two statements are given, followed by two conclusions, I and II.

You have to consider the statements to be true even if it seems to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follows from the given statements.

Statement I: Some notes are coins

Statement II: All notes are currency

Conclusion I: No coins are currency

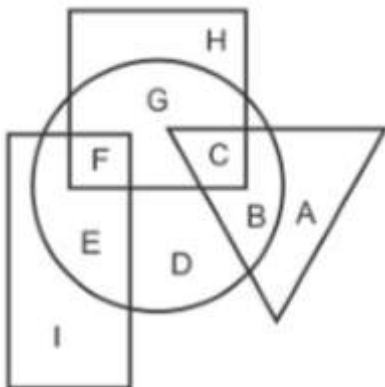
Conclusion II: Some currency are coins

- A Only conclusion I follows
- B Only conclusion II follows
- C Both conclusions I and II follow
- D Neither conclusion I nor conclusion II follows

Answer: B

Question 44

In the following figure, rectangle represents Fashion designers, circle represents Lyricists, triangle represents Comedians and square represents Americans. Which set of letters represents Fashion designers who are lyricists?



- A EI
- B FE
- C GH
- D FG

Answer: B

Question 45

A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.

CAL, AWF, YSZ, WOT, ?

- A UJO
- B VKP
- C UKN
- D VJP

Answer: C

Explanation:

Series : CAL, AWF, YSZ, WOT, ?

The pattern followed in each letter of the terms is :

1st letter : C (-2 letters) = A (-2 letters) = Y (-2 letters) = W (-2 letters) = U

2nd letter : A (-4 letters) = W (-4 letters) = S (-4 letters) = O (-4 letters) = K

3rd letter : L (-6 letters) = F (-6 letters) = Z (-6 letters) = T (-6 letters) = N

Thus, missing term = **UKN**

=> Ans - (C)

Question 46

In the following question, select the missing number from the given series.

470, 465, 460, 455, ?, 445

A 450

B 448

C 440

D 452

Answer: A

Explanation:

'5' is subtracted from all the numbers.

$$470 - 5 = 465$$

$$465 - 5 = 460$$

$$460 - 5 = 455$$

$$455 - 5 = \mathbf{450}$$

$$450 - 5 = 445$$

=> Ans - (A)

Question 47

In the following question, four groups of three numbers are given. In each group the second and third number are related to the first number by a Logic/Rule/Relation. Three are similar on basis of same Logic/Rule/Relation. Select the odd one out from the given alternatives.

A (104, 101, 96)

B (109, 106, 101)

C (97, 94, 89)

D (121, 118, 111)

Answer: D

Explanation:

The numbers are of the form : $(x, x - 3, x - 8)$

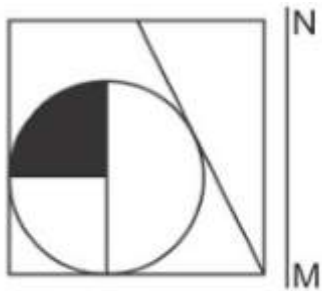
But in the last option, we have $= 121 - 8 = 113 \neq 111$

Thus, (121, 118, 111) is the odd one out.

=> Ans - (D)

Question 48

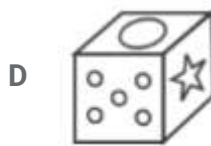
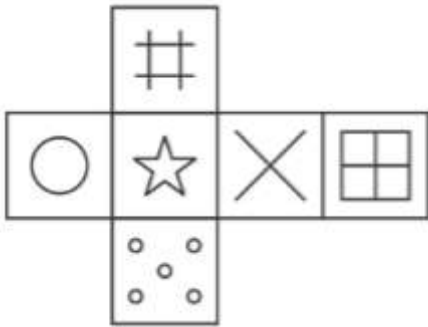
If a mirror is placed on the line MN, then which of the answer figures is the right image of the given figure?



Answer: D

Question 49

Which of the following cube in the answer figure cannot be made based on the unfolded cube in the question figure?



Answer: C

Question 50

A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as shown in the given two matrices. The columns and rows of Matrix:I are numbered from 0 to 4 and that of Matrix:II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, for example 'H' can be represented by 32, 41 etc and 'N' can be represented by 98, 85 etc. Similarly, you have to identify the set for the word 'IOTA'.

Matrix - I					
	0	1	2	3	4
0	K	I	I	A	E
1	G	A	E	E	A
2	F	B	J	E	D
3	F	E	H	K	A
4	L	H	B	I	J

Matrix - II					
	5	6	7	8	9
5	T	P	Y	P	Q
6	W	V	O	V	Q
7	Q	Z	V	Q	Q
8	N	T	P	O	R
9	X	Z	P	N	S

A 42,56,11,85

B 22,68,22,57

C 43,67,55,34

D 23,76,14,95

Answer: C

Explanation:

(A) : 42,56,11,85 = HPAN

(B) : 22,68,22,57 = JVJY

(C) : 43,67,55,34 = **IOTA**

(D) : 23,76,14,95 = EZAX

=> Ans - (C)

English

Instructions

In the following question, some part of the sentence may have errors. Find out which part of the sentence has an error and select the appropriate option. If a sentence is free from error, select 'No Error'.

Question 51

I seen (a)/ that it (b)/ is getting dark. (c)/ No error (d)

A I seen

- B that it
- C is getting dark
- D No error

Answer: A

Question 52

The long:term capital gains on listed securities (a)/ and the dividend tax on equity mutual funds are the right steps (b)/ to generate resources required for drive demand in rural India. (c)/ No error (d)

- A The long:term capital gains on listed securities
- B and the dividend tax on equity mutual funds are the right steps
- C to generate resources required for drive demand in rural India
- D No error

Answer: C

Instructions

In the following question, the sentence given with blank to be filled in with an appropriate word. Select the correct alternative out of the four and indicate it by selecting the appropriate option.

Question 53

Sita felt obligated to _____ Geeta.

- A cry
- B decide
- C give
- D inform

Answer: D

Question 54

We _____ peace in our fast:escalating technological careers and lifestyle without creating that beautiful notion of love:based emotions.

- A seek
- B bleak
- C meek
- D geek

Answer: A

Instructions

In the following question, out of the given four alternatives, select the one which best expresses the meaning of the given word.

Question 55

Grudging

- A Envious
- B Favouring
- C Generous
- D Contented

Answer: A

Question 56

Allay

- A Relieve
- B Understand
- C Increase
- D Annoy

Answer: A

Instructions

In the following question, out of the given four alternatives, select the one which is opposite in meaning of the given word.

Question 57

Grumpy

- A Cross
- B Bad tempered
- C Irritable
- D Pleasant

Answer: D

Question 58

Celestial

- A Heavenly
- B Blessed
- C Hellish
- D Holy

Answer: C

Instructions

For the following questions answer them individually

Question 59

Rearrange the parts of the sentence in correct order.

The existence of

P: can be traced back to

Q: mammals on the earth

R: at least the Triassic time

- A QRP
- B PRQ
- C PQR
- D QPR

Answer: D

Question 60

A sentence has been given in Active/Passive Voice. Out of the four given alternatives, select the one which best expresses the same sentence in Passive/Active Voice.
Why did your mother write such a book?

- A Why was such a book written by your mother?
- B Why is such a book written by your mother?
- C Why your mother wrote such a book?
- D Why was such a book wrote by your mother?

Answer: A

Question 61

A sentence has been given in Direct/Indirect Speech. Out of the four given alternatives, select the one which best expresses the same sentence in Indirect/Direct Speech.
He said, "The dog died in the night."

- A He inform about the dog's death.
- B He says dog died in the night.
- C The dog had died in the night, he said.
- D He said that the dog had died in the night.

Answer: D

Question 62

In the following question, a word has been written in four different ways out of which only one is correctly spelt. Select the correctly spelt word.

- A Culleague
- B Coleague
- C Colleague
- D Colleegue

Answer: C

Instructions

In the following passage, some of the words have been left out. Read the passage carefully and select the correct answer for the given blank out of the four alternatives.

Technical skill _____ to the ability and knowledge to use the pedagogy, tools and techniques involved in the teaching and research of a specific subject. Ability in programming or software designing and operating a computer is, _____ instance, a technical skill. There are two things a teacher should understand _____ transformational technical skills. In the first place, he must know _____ skill and what level of skill should be applied on a particular student. He should be _____ enough with their potential to ask discerning questions. Secondly, a teacher must understand the role of each event organised and the transformational skill applied, and the inter:relationships between the events and skills.

Question 63

Technical skill _____ to the ability

- A refers
- B refer
- C reference
- D referred

Answer: A

Question 64

a computer is, _____ instance, a technical skill.

- A of
- B from
- C at
- D for

Answer: D

Question 65

understand _____ transformational technical skills.

- A about
- B at

C among

D upon

Answer: A

Question 66

he must know _____ skill and what level

A when

B which

C while

D who

Answer: B

Question 67

He should be _____ enough with their

A familiar

B familiarly

C familiarness

D familiarity

Answer: A

Instructions

In the following question, out of the four alternatives, select the alternative which best expresses the meaning of the idiom/phrase.

Question 68

Ask for trouble

A Act in a way that is likely to incur problems or difficulties.

B Be the self appointed guardian of your neighbourhood.

C A clumsy person who keeps making mistakes.

D A person who has no work is bound to create trouble for others.

Answer: A

Question 69

Drive someone up the wall

A To help someone achieve success.

B To overcome an obstacle by going over it.

C To close someone's path of escape.

D Make someone very irritated or angry.

Answer: D

Instructions

In the following question, out of the four alternatives, select the alternative which is the best substitute of the words/sentence.

Question 70

Become liquid, typically during decomposition

A Deliquesce

B Petrify

C Cohere

D Anneal

Answer: A

Question 71

Praise highly in speech or writing

A Chide

B Eulogise

C Chastise

D Reprimand

Answer: B

Instructions

In the following question, out of the four alternatives, select the alternative which will improve the bracketed part of the sentence. In case no improvement is needed, select "no improvement".

Question 72

Humongous changes (has occurred) in the last two decades.

- A have occurred
- B have occur
- C have occurring
- D no improvement

Answer: A

Question 73

The joy of (cook) a meal with freshly grown herbs was boundless.

- A cooked
- B cooking
- C cooks
- D no improvement

Answer: B

Instructions

For the following questions answer them individually

Question 74

The question below consists of a set of labelled sentences. Out of the four options given, select the most logical order of the sentences to form a coherent paragraph.

So he decided he

A: people, hopefully none

B: better place with fewer

C: would go far away, to a

- A CBA
- B CAB
- C BCA
- D BAC

Answer: A

Question 75

In the following question, four words are given out of which one word is correctly spelt. Select the correctly spelt word.

- A impovarish
- B impoverish
- C impoverish
- D impovarish

Answer: C

General Awareness

Instructions

For the following questions answer them individually

Question 76

Market imperfections of a country are reflected in_____.

- A price rigidity
- B factor immobility
- C lack of specialization
- D All options are correct.

Answer: D

Question 77

SEBI is _____.

- A** Constitutional body
- B** advisory body
- C** statutory body
- D** non:statutory body

Answer: C

Question 78

After which of the following centuries, did the practice of donating land in South India go a long way?

- A** Fifth century
- B** Sixth century
- C** Eighth century
- D** Ninth century

Answer: C

Question 79

Which of the following languages has been used by Surdas in his writings?

- A** Awadhi
- B** Khariboli
- C** Braj
- D** Bundeli

Answer: C

Question 80

What is called the maximum distance from the Sun in a planet in its orbit?

- A Perihelion
- B Aphelion
- C Apogee
- D Perigee

Answer: B

Question 81

The line of Cancer does NOT pass through which of the following state of India?

- A Odisha
- B Gujarat
- C Rajasthan
- D West Bengal

Answer: A

Question 82

What was the real name of Gautam Buddha?

- A Siddhartha
- B Mahendra
- C Shree Dutt
- D Vishal Dutt

Answer: A

Question 83

Which country launched the world's largest amphibious aircraft on December 24, 2017?

- A USA
- B China

- C Japan
- D Germany

Answer: B

Question 84

Which of the following prize is given for literary work?

- A Arjuna Award
- B Ashoka Chakra
- C Vyas Samman
- D Gita Chopra Award

Answer: C

Question 85

Officially what is the conventional long name of Sri Lanka?

- A Democratic Socialist Republic of Sri Lanka
- B Socialist Republic of Sri Lanka
- C Republic of Sri Lanka
- D No option is correct.

Answer: A

Question 86

Which of the following is man made fibre ?

- A Cotton
- B Wool
- C Silk
- D Nylon

Answer: D

Question 87

Which of the following statement is INCORRECT regarding Sodium?

- A Sodium reacts vigorously with oxygen and water.
- B A lot of heat is generated when sodium reacts with water and oxygen.
- C It is stored in kerosene.
- D It is a non:metal.

Answer: D

Question 88

_____ is a constitutional body in India.

- A Central Information Commission
- B Lokpal and Lokayukta
- C National Development Council
- D Election Commission

Answer: D

Question 89

Which Constitutional Amendment Act added Part IX:A 'The Municipalities' to Indian Constitution?

- A 74th Constitutional Amendment Act
- B 42nd Constitutional Amendment Act
- C 39th Constitutional Amendment Act
- D 10th Constitutional Amendment Act

Answer: A

Question 90

Photosynthesis fulfills which of the following requirements of the autotrophic organisms?

- I. Carbon
- II. Water
- III. Energy

- A Only I
- B Only III
- C I and III
- D All I, II and III

Answer: C

Question 91

Which among the following difference between aerobic and anaerobic respiration is **INCORRECT**?

- A Aerobic respiration takes place in presence of oxygen - Anaerobic respiration takes place in the absence of oxygen
- B In Aerobic respiration pyruvate is broken down into ethanol and carbon dioxide - In Anaerobic respiration pyruvate is broken down into carbon dioxide and water
- C In Aerobic respiration more energy is released - In Anaerobic respiration less energy is released
- D Aerobic respiration takes place in mitochondria- Anaerobic respiration takes place in yeast

Answer: B

Question 92

What is the total outlay (in Rs crore) pegged for "Pradhan Mantri Sahaj Bijli Har Ghar Yojna" by the Indian Government?

- A 15320
- B 16320
- C 17320

D 18320

Answer: B

Question 93

The Scientists from China have successfully cloned which animal for the first time?

A Human

B Dog

C Monkey

D Sheep

Answer: C

Question 94

What was the Gross Domestic Product (GDP) for India in 2016:17 Financial Year?

A 6.10%

B 7.10%

C 8.10%

D 6.70%

Answer: B

Question 95

On 10 April 2017, Lok Sabha Passed the Motor Vehicles Act (Amendment) Bill, 2016. Under the new provisions, a fund named 'MVAFA' will be constituted. What does 'A' stand for in 'MVAFA'?

A Amendment

B Approval

C Accident

D Aspiration

Answer: C

Question 96

Find the acceleration (*in* $\frac{m}{s^2}$) of a body which accelerates from 25 m/s to 30 m/s in 10 seconds.

- A 5.5
- B 1
- C 11
- D 0.5

Answer: D

Question 97

1 m/s equals _____ km/hr.

- A 5/16
- B 16/5
- C 18/5
- D 5/18

Answer: C

Question 98

_____ bears have white fur so that they are not easily visible in the snowy background.

- A Sloth
- B Asian
- C Brown
- D Polar

Answer: D

Question 99

Which of the statements given below are correct?

- A) In 2017, Gary Cahill captained the Premier League team Arsenal.**
- B) In 2018 IPL auctions, Kolkata Knight Riders retained Sunil Narine.**
- C) Roger Federer won the Tennis 2017 Wimbledon Championships Men's Singles.**

- A** Only B
- B** B and C
- C** A, B and C
- D** None of these

Answer: B

Question 100

In Microsoft Word, under character formatting _____ decides the appearance of our characters.

- A** Size
- B** Underline
- C** Effects
- D** Font

Answer: D

SSC CHSL 6 March 2018 Evening Shift

Quant

Instructions

For the following questions answer them individually

Question 1

Find the square root of 1485961.

A 1213

B 1219

C 1229

D 1239

Answer: B

Explanation:

Factorization of $1485961 = 23^2 \times 53^2$

\Rightarrow Square root = $\sqrt{1485961} = \sqrt{23^2 \times 53^2}$

$= 23 \times 53 = 1219$

\Rightarrow Ans - (B)

Question 2

If $a^2 + b^2 = 80$ and $ab = 32$, then calculate the value of $\frac{a-b}{a+b}$

A 0.337

B 0.339

C 0.333

D 0.335

Answer: C

Explanation:

Given : $a^2 + b^2 = 80$ -----(i) and $ab = 32$

$\Rightarrow 2ab = 64$ -----(ii)

Adding equations (i) and (ii), we get :

$\Rightarrow a^2 + b^2 + 2ab = 80 + 64$

$$\Rightarrow (a + b)^2 = 144$$

$$\Rightarrow (a + b) = \sqrt{144} = 12$$

$$\text{Similarly, } (a - b) = 4$$

$$\therefore \frac{a-b}{a+b}$$

$$= \frac{4}{12} = 0.333$$

\Rightarrow Ans - (C)

Question 3

What is the value of $(-7776)^{\frac{2}{5}}$

A 16

B 36

C 64

D 21

Answer: B

Explanation:

$$\text{Expression : } (-7776)^{\frac{2}{5}}$$

$$= -(6^5)^{\frac{2}{5}}$$

$$= (-6)^2 = 36$$

\Rightarrow Ans - (B)

Question 4

What is the value of $x^3 - \frac{1}{x^3} + 8$ when $8x - \frac{8}{x} - 16 = 0$?

A 14

B 8

C 16

D 22

Answer: D

Explanation:

$$\text{Given : } 8x - \frac{8}{x} - 16 = 0$$

$$\Rightarrow x - \frac{1}{x} = 2 \text{ -----(i)}$$

Cubing both sides, we get :

$$\Rightarrow \left(x - \frac{1}{x}\right)^3 = (2)^3$$

$$\Rightarrow \left(x^3 - \frac{1}{x^3}\right) - 3\left(x\right)\left(\frac{1}{x}\right)\left(x - \frac{1}{x}\right) = 8$$

Substituting value from equation (i),

$$\Rightarrow \left(x^3 - \frac{1}{x^3}\right) - 3(1)(2) = 8$$

$$\Rightarrow x^3 - \frac{1}{x^3} = 8 + 6 = 14$$

$$\therefore x^3 - \frac{1}{x^3} + 8 = 22$$

=> Ans - (D)

Question 5

The triangle in which the orthocenter, circumcentre, Incenter and the centroid coincide each other at a point is known as _____.

- A isosceles triangle
- B equilateral triangle
- C right angled triangle
- D obtuse angled triangle

Answer: B

Explanation:

Only in an *equilateral triangle*, the orthocenter, circumcentre, Incenter and the centroid coincide each other at a point.

=> Ans - (B)

Question 6

If the radius of a circle is decreased to 25% of its original value, calculate the percentage decrease in the area of the circle.

- A 25%
- B 43.75%
- C 50%
- D 93.75%

Answer: B

Explanation:

Let the radius of the circle initially = $r = 20$ cm

$$\Rightarrow \text{Area} = A = \pi r^2 = \pi(20)^2 = 400\pi$$

$$\text{New radius} = r' = 20 - \left(\frac{25}{100} \times 20\right) = 15 \text{ cm}$$

$$\Rightarrow \text{New Area} = A' = \pi(15)^2 = 225\pi$$

$$\therefore \text{Percent decrease in area} = \frac{(400\pi - 225\pi)}{400\pi} \times 100$$

$$= \frac{175}{4} = 43.75\%$$

\Rightarrow Ans - (B)

Question 7

On decreasing the price of a fan by 40%, its sales increases by 50%. What will be the percentage increase or decrease in its revenue?

A 15% increase

B 15% decrease

C 10% decrease

D 10% increase

Answer: C

Explanation:

Let 10 fans are sold for Rs. 10, i.e. price of 1 fan = Re 1

$$\Rightarrow \text{Revenue} = 10 \times 10 = \text{Rs. } 100$$

$$\text{Price is decreased by 40\%,} \Rightarrow \text{New price} = 10 - \left(\frac{40}{100} \times 10\right) = \text{Rs. } 6$$

$$\text{Similarly, new sales} = 10 + \left(\frac{50}{100} \times 10\right) = 15$$

$$\Rightarrow \text{New revenue} = 6 \times 15 = \text{Rs. } 90$$

$$\therefore \% \text{ decrease in revenue} = \frac{(100 - 90)}{100} \times 100 = 10\%$$

\Rightarrow Ans - (C)

Question 8

A sum of Rs 2489 is divided among A, B and C such that if Rs 12, Rs 12 and Rs 5 be diminish from the shares of A, B and C respectively, then their shares will be in the ratio of 5: 3: 4. What is the new share (in Rs) of C?

A 750

B 1060

C 1475

D 820

Answer: D

Explanation:

Let the ratio of new shares of A, B and C = 5 : 3 : 4

Total amount deducted to get new share = $2489 - (12 + 12 + 5) = Rs. 2460$

Let amount with A, B and C be Rs. $5x$, $3x$ and $4x$ respectively.

$$\Rightarrow 5x + 3x + 4x = 12x = 2460$$

$$\Rightarrow x = \frac{2460}{12} = 205$$

\therefore New share of C = $4 \times 205 = Rs. 820$

\Rightarrow Ans - (D)

Question 9

The milk and water in two vessels are in the ratio of 3: 1 and 7: 11 respectively. In what ratio should the liquid in both the vessels be mixed to obtain a new mixture containing half milk and half water?

A 5:7

B 4:9

C 1:1

D 4:7

Answer: B

Explanation:

Milk in 1 litre mixture of vessel 1 = $\frac{3}{4}$

Milk in 1 litre mixture of vessel 2 = $\frac{7}{18}$

Milk in 1 litre of the new mixture = $\frac{1}{2}$

Let ratio of liquid from both vessels be $x : y$

$$\Rightarrow \left(\frac{3}{4}x\right) + \left(\frac{7}{18}y\right) = \frac{1}{2}(x + y)$$

Multiply both sides by L.C.M. (4,18,2) = 36

$$\Rightarrow 27x + 14y = 18x + 18y$$

$$\Rightarrow 27x - 18x = 18y - 14y$$

$$\Rightarrow 9x = 4y$$

$$\Rightarrow \frac{x}{y} = \frac{4}{9} =$$

∴ Liquid of both the vessels should be mixed in the ratio **4 : 9** such that a new mixture containing half milk and half water is obtained.

=> Ans - (B)

Question 10

Average of 14 numbers is 32. If the average of last 5 numbers is 26, then what is the average of the remaining numbers?

A 35.33

B 41.33

C 27.5

D 44.5

Answer: A

Explanation:

Average of 14 numbers = 32

=> Sum of 14 numbers = $32 \times 14 = 448$

Average of last 5 numbers = 26

=> Sum of last 5 numbers = $26 \times 5 = 130$

Thus, sum of remaining (14-5) 9 numbers = $448 - 130 = 318$

∴ Required average = $\frac{318}{9} = 35.33$

=> Ans - (A)

Question 11

A person borrows some money for 8 years at a rate of simple interest. If the ratio of principal and total interest is 5: 8, then what is the rate (in percentage) of interest?

A 10

B 20

C 25

D 30

Answer: B

Explanation:

Let Principal amount = Rs. $5x$ and interest = Rs. $8x$

Let rate of interest = $r\%$ and time period = 8 years

$$\Rightarrow \text{Simple interest} = \frac{P \times R \times T}{100}$$

$$\Rightarrow \frac{5x \times r \times 8}{100} = 8x$$

$$\Rightarrow \frac{5r}{100} = 1$$

$$\Rightarrow r = \frac{100}{5} = 20\%$$

\Rightarrow Ans - (B)

Question 12

Cost price of a watch is Rs 530. If the loss percentage is 24%, then what is the value (in Rs) of loss?

A 127.2

B 153.2

C 139.4

D 114.2

Answer: A

Explanation:

Cost price = Rs. 530

Loss % = 24%

$$\Rightarrow \text{Loss amount} = \frac{24}{100} \times 530$$

$$= \frac{12}{5} \times 53 = \text{Rs. } 127.2$$

\Rightarrow Ans - (A)

Question 13

Mahesh buys a watch of Rs 300 and sells it. Mahesh gives two successive discount of 15% and 6% to the buyer. What will be the selling price (in Rs) of the watch?

A 213.4

B 242.3

C 239.7

D 247.4

Answer: C

Explanation:

Cost price of watch = Rs. 300

$$\text{Price after 1st discount of 15\%} = 300 - \left(\frac{15}{100} \times 300 \right) = \text{Rs. } 255$$

Selling Price after 2nd discount of 6% = $255 - \left(\frac{6}{100} \times 255\right) = Rs. 239.7$

=> Ans - (C)

Question 14

What is the simplified value of $\sqrt{12} - \frac{1}{\sqrt{3}}$

A $5\sqrt{3}$

B $5/\sqrt{3}$

C $3\sqrt{5}$

D $3/\sqrt{5}$

Answer: B

Explanation:

Expression : $\sqrt{12} - \frac{1}{\sqrt{3}}$

$$= 2\sqrt{3} - \frac{1}{\sqrt{3}}$$

$$= \frac{6-1}{\sqrt{3}} = \frac{5}{\sqrt{3}}$$

=> Ans - (B)

Question 15

P can complete a work in 15 days and Q in 24 days. They began the work together, but Q left the work 2 days before its completion. In how many days, was the work completed?

A 12

B 10

C 9

D 11

Answer: B

Explanation:

Let the total work to be done = L.C.M.(15,24) = 120 units

P can complete the work in 15 days, => P's efficiency = $\frac{120}{15} = 8$ units/day

Similarly, Q's efficiency = $\frac{120}{24} = 5$ units/day

Let the work is completed in t days, thus P worked for t days while Q for $(t - 2)$ days

$$\Rightarrow 8(t) + 5(t - 2) = 120$$

$$\Rightarrow 8t + 5t - 10 = 120$$

$$\Rightarrow 13t = 120 + 10 = 130$$

$$\Rightarrow t = \frac{130}{13} = 10$$

∴ The work is completed in **10 days**.

⇒ Ans - (B)

Question 16

A bus moves at a speed of 84 km/hr after repairing and moves at a speed of 56 km/hr before repairing. It covers 2x distance in 8 hours after repairing. How much time (in hours) will it take to cover x distance before repairing

A 8

B 5

C 6

D 9

Answer: C

Explanation:

Speed of bus after repairing = 84 km/hr

Distance covered in 8 hours after repairing = $2x$ km

Using, speed = distance/time

$$\Rightarrow 84 = \frac{2x}{8}$$

$$\Rightarrow x = 84 \times 4 = 336 \text{ km}$$

Speed of bus before repairing = 56 km/hr

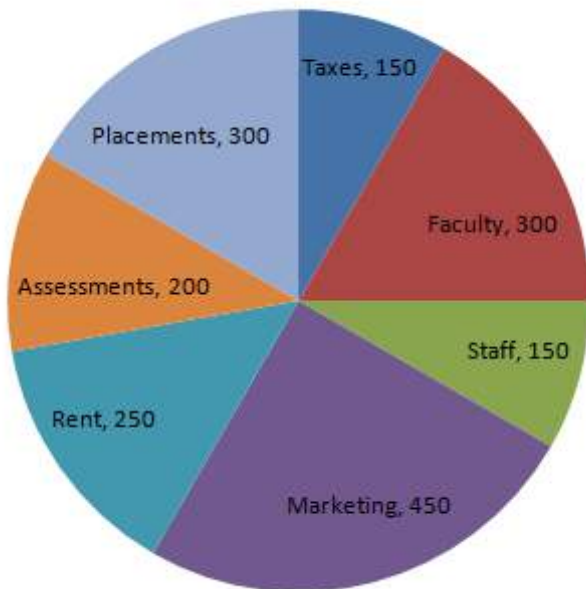
Now, time taken (in hours) to cover 336 km before repairing = $\frac{336}{56} = 6$

⇒ Ans - (C)

Instructions

The pie chart shows the breakup of expenditure of a college for the year 2017. Study the diagram and answer the following questions.

Expenditure in Rs.Lakhs



Question 17

The highest expenditure is for which item?

- A Rent
- B Marketing
- C Assessments
- D Placements

Answer: B

Explanation:

The highest expenditure is for **Marketing** = Rs. 450 lakhs

=> Ans - (B)

Question 18

What is the total expenditure (in Rs lakhs)?

- A 1800
- B 900
- C 2000
- D 1000

Answer: A

Explanation:

Total expenditure (in Rs lakhs)

$$= 150 + 300 + 150 + 450 + 250 + 200 + 300$$

$$= 1800$$

=> Ans - (A)

Question 19

The measure of the central angle of the sector representing Faculty is _____ degrees.

A 30

B 45

C 75

D 60

Answer: D

Explanation:

Expenditure in Faculty (in Rs lakhs) = 300

Total expenditure (in Rs lakhs)

$$= 150 + 300 + 150 + 450 + 250 + 200 + 300 = 1800$$

$$\Rightarrow \text{Required central angle} = \frac{300}{1800} \times 360^\circ$$

$$= \frac{360^\circ}{6} = 60^\circ$$

=> Ans - (D)

Question 20

Expenditure on Assessments and Placements constitute what percent of total expenditure?

A 33.3%

B 25%

C 30%

D 27.77%

Answer: D

Explanation:

Expenditure on Assessments and Placements (in Rs lakhs) = 200 + 300 = 500

Total expenditure (in Rs lakhs)

$$= 150 + 300 + 150 + 450 + 250 + 200 + 300 = 1800$$

$$\Rightarrow \text{Required \%} = \frac{500}{1800} \times 100$$

$$= \frac{250}{9} = 27.77\%$$

\Rightarrow Ans - (D)

Instructions

For the following questions answer them individually

Question 21

The perimeter and the breadth of a rectangle are 60 cm and 14 cm respectively. Find its area (in cm^2).

A 112

B 448

C 224

D 336

Answer: C

Explanation:

Let l be the length of rectangle and breadth, $b = 14$ cm

$$\Rightarrow \text{Perimeter} = 2(l + b) = 60$$

$$\Rightarrow l + 14 = \frac{60}{2} = 30$$

$$\Rightarrow l = 30 - 14 = 16 \text{ cm}$$

$$\therefore \text{Area} = 16 \times 14 = 224 \text{ cm}^2$$

\Rightarrow Ans - (C)

Question 22

If the perimeter of a semi-circle is 108 cm, then find its radius (in cm).

A 42

B 28

C 56

D 21

Answer: D

Explanation:

Let radius of semi circle = r cm

$$\Rightarrow \text{Perimeter of semi circle} = \pi r + 2r = 108$$

$$\Rightarrow r\left(\frac{22}{7} + 2\right) = 108$$

$$\Rightarrow r\left(\frac{22+14}{7}\right) = 108$$

$$\Rightarrow r = 108 \times \frac{7}{36}$$

$$\Rightarrow r = 3 \times 7 = 21 \text{ cm}$$

\Rightarrow Ans - (D)

Question 23

Find the volume (in cm^3) of a cube of side 7.5 cm.

A 421.875

B 77.145

C 39.245

D 24.435

Answer: A

Explanation:

Side of cube = $a = 7.5$ cm

\Rightarrow Volume of cube = a^3

$$= (7.5)^3 = 421.875 \text{ cm}^3$$

\Rightarrow Ans - (A)

Question 24

What is the value of $(\cot 30^\circ + 2/\sqrt{3})$?

A $5/\sqrt{3}$

B $\frac{1+2\sqrt{3}}{2}$

C $\frac{5}{6}$

D $2/\sqrt{3}$

Answer: A

Explanation:

Expression : $\cot(30^\circ) + \frac{2}{\sqrt{3}}$

$$= \sqrt{3} + \frac{2}{\sqrt{3}}$$

$$= \frac{3+2}{\sqrt{3}}$$

$$= \frac{5}{\sqrt{3}}$$

=> Ans - (A)

Question 25

ΔXYZ is right angled at Y. If $\tan X = 24/7$, then what is the value of $\cot Z$?

A 25/7

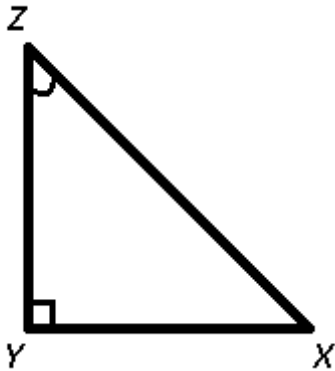
B 24/25

C 7/24

D 24/7

Answer: D

Explanation:



Given : $\tan X = \frac{24}{7}$

Also, $\tan X = \frac{YZ}{XY} = \frac{24}{7}$

Let $XY = 7$ cm and $YZ = 24$ cm

To find : $\cot Z = \frac{YZ}{XY}$

$$= \frac{24}{7}$$

=> Ans - (D)

Reasoning

Instructions

For the following questions answer them individually

Question 26

In the following question, select the related word pair from the given alternatives.

Start: End:: ? : ?

A Hot: Water

B Love: Care

C Green: Go

D Up: Down

Answer: D

Explanation:

Expression = Start: End:: ? : ?

The first and second words are opposite of each other, similarly only antonym pair given is *Up : Down*

=> Ans - (D)

Question 27

In the following question, select the related number pair from the given alternatives.

31: 42:: ? : ?

A 53: 64

B 47: 59

C 61: 73

D 44: 34

Answer: A

Explanation:

Expression = 31: 42:: ? : ?

The difference between the first and second number is 11. Among the options,

(A) : $64 - 53 = 11$

(B) : $59 - 47 = 12$

(C) : $73 - 61 = 8$

(D) : $44 - 34 = 10$

=> Ans - (A)

Question 28

In the following question, select the related letter/letters from the given alternatives.

FUT: JYX:: BUG: ?

A AYG

B FYK

C LCK

D FAM

Answer: B

Explanation:

Expression = FUT: JYX:: BUG: ?

The pattern followed is :

F	U	T
(+4)	(+4)	(+4)
J	Y	X

Similarly, BUG : FYK

B	U	G
(+4)	(+4)	(+4)
F	Y	K

=> Ans - (B)

Question 29

In the following question, select the odd word from the given alternatives.

A Ocean

B Sea

C Desert

D River

Answer: C

Explanation:

Ocean, sea and river are filled with water, while desert is filled with sand, hence it is the odd one out.

=> Ans - (C)

Question 30

In the following question, four number pairs are given. The number on left side of (-) is related to the number of the right side of (-) with some Logic/Rule/Relation. Three are similar on basis of same Logic/Rule/Relation. Select the odd one out from the given alternatives.

A 101 - 105

B 103 - 107

C 102 - 106

D 104 - 106

Answer: D

Explanation:

The difference between each of the pair of numbers is 4.

But in the last option $\Rightarrow 106 - 104 = 2$

Thus, (104 - 106) is the odd one out.

\Rightarrow Ans - (D)

Question 31

In the following question, select the odd letter/letters from the given alternatives.

A KQW

B RXD

C BHN

D AGL

Answer: D

Explanation:

(A) : K (+6 letters) = Q (+6 letters) = W

(B) : R (+6 letters) = X (+6 letters) = D

(C) : B (+6 letters) = H (+6 letters) = N

(D) : A (+6 letters) = G (+5 letters) = L

\Rightarrow Ans - (D)

Question 32

From the given alternatives, according to dictionary, which word will come at the LAST position?

1. Toast
2. Torpedo
3. Tongue
4. Trickle
5. Trick

- A Trick
- B Trickle
- C Tongue
- D Torpedo

Answer: B

Explanation:

As per the order of dictionary :

= Toast -> Tongue -> Torpedo -> Trick -> Trickle

Thus, the last word = **Trickle**

=> Ans - (B)

Question 33

In the following question, select the missing number from the given series.

13, 17, 19, 23, 29, ?

- A 33
- B 31
- C 35
- D 37

Answer: B

Explanation:

Series : 13, 17, 19, 23, 29, ?

Consecutive prime numbers are written.

Thus, the next prime number after 29 = **31**

=> Ans - (B)

Question 34

A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.

UY, SV, QS, OP, ?

A NM

B ML

C MM

D KL

Answer: C

Explanation:

Series : UY, SV, QS, OP, ?

The pattern followed in each letter of the terms is :

1st letter : U (-2 letters) = S (-2 letters) = Q (-2 letters) = O (-2 letters) = M

2nd letter : Y (-3 letters) = V (-3 letters) = S (-3 letters) = P (-3 letters) = M

Thus, missing term = **MM**

=> Ans - (C)

Question 35

L, M, N, O and P are sitting in a line facing east. L and M are sitting together. N is sitting at north end and O is sitting at south end. P is the neighbour of M and N. Who is third from north end?

A L

B O

C M

D P

Answer: C

Explanation:

N is sitting at north end and O is sitting at south end.



P is the neighbour of M and N, => P sits just below N.

Also, M and L sits together, thus the arrangement is :

N
P
M
L
O

∴ **M** is third from north end.

=> Ans - (C)

Question 36

From the given alternatives, select the word which CANNOT be formed using the letters of the given word.

Corporate

A Poor

B Rate

C Cat

D Prove

Answer: D

Explanation:

The word CORPORATE does not contain any 'V', thus the term **Prove** cannot be formed.

=> Ans - (D)

Question 37

In a certain code language, "PRICE" is written as "GEKTR". How is "VALUE" written in that code language?

A FWNCX

B FNWDY

C DWNCY

D GWNCX

Answer: D

Explanation:

“PRICE” is written as “GEKTR”

The pattern followed is that when we reverse the word, we have : ECIRP

E	C	I	R	P
(+2)	(+2)	(+2)	(+2)	(+2)
G	E	K	T	R

Similarly, for VALUE :

E	U	L	A	V
(+2)	(+2)	(+2)	(+2)	(+2)
G	W	N	C	X

=> Ans - (D)

Question 38

In a certain code language, '-' represents '+', '+' represents 'x', 'x' represents '÷' and '÷' represents '-'. Find out the answer to the following question.

$$9 - 18 + 35 \times 10 \div 30 = ?$$

A 44

B 42

C 40

D 41

Answer: B

Explanation:

$$\text{Expression : } 9 - 18 + 35 \times 10 \div 30 = ?$$

$$\equiv 9 + 18 \times 35 \div 10 - 30$$

$$= 9 + (9 \times 7) - 30$$

$$= 63 - 21 = 42$$

=> Ans - (B)

Question 39

The following equation is incorrect. Which two signs should be interchanged to correct the equation?

$$20 \div 14 + 5 \times 20 - 2 = 56$$

A + and x

B ÷ and -

C + and \div

D - and +

Answer: B

Explanation:

Expression : $20 \div 14 + 5 \times 20 - 2 = 56$

(A) : + and \times

$$\equiv 20 \div 14 \times 5 + 20 - 2 = 56$$

$$\text{L.H.S.} = 7.14 + 18 = 25.14 \neq \text{R.H.S.}$$

(B) : \div and -

$$\equiv 20 - 14 + 5 \times 20 \div 2 = 56$$

$$\text{L.H.S.} = 6 + \frac{100}{2} = 56 = \text{R.H.S.}$$

=> Ans - (B)

Question 40

If $16a1 = 8$, $14a6 = 42$ and $12a5 = 30$, then find the value of $2a6 = ?$

A 6

B 18

C 4

D 10

Answer: A

Explanation:

Given : $16a1 = 8$, $14a6 = 42$ and $12a5 = 30$

If we replace 'a' with 'x', and divide the product by 2, we get the desired result.

$$\text{Eg :- } \frac{16 \times 1}{2} = 8$$

$$\text{and } \frac{14 \times 6}{2} = 42 \text{ and } \frac{12 \times 5}{2} = 30$$

$$\text{Similarly, } \frac{2 \times 6}{2} = 6$$

=> Ans - (A)

Question 41

Which of the following terms follows the trend of the given list?

$XYZXYzXYZ$, $XYZXYzXYZ$, $XYZYzXYZ$, $XYZxYZXYZ$, $XYzXYZXYZ$, _____.

A $xYZXYZXYZ$

B XYZXYZxYZ

C XyZXYZXYZ

D XYZXYzXYZ

Answer: C

Explanation:

Expression : XYZXYZxYZ, XYZXYzXYZ, XYZXyZXYZ, XYZxYZXYZ, XYzXYZXYZ, _____.

The pattern followed is that in each term there are 3 combinations of 'XYZ' and in each term, one letter is small and its position is changing in decreasing order.

Thus, in the missing term, the second letter will be small = **XyZXYZXYZ**

=> Ans - (C)

Question 42

An insect walks 15 cm East, then it turns to its right and walks for another 20 cm. then it turns right and walks 4 cm, then it turns North and walks 20 cm, then finally it turns to its left and walks 2 cm. Where is the insect now with respect to its starting point.

A 9 cm East

B 21 cm East

C 9 cm West

D 21 cm West

Answer: A

Question 43

In the question two statements are given, followed by two conclusions, I and II. You have to consider the statements to be true even if it seems to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follows from the given statements.

Statement I: Some games are sports

Statement II: No exercise are games

Conclusion I: All sports are exercise

Conclusion II: Some exercise are sports

A Only conclusion I follows

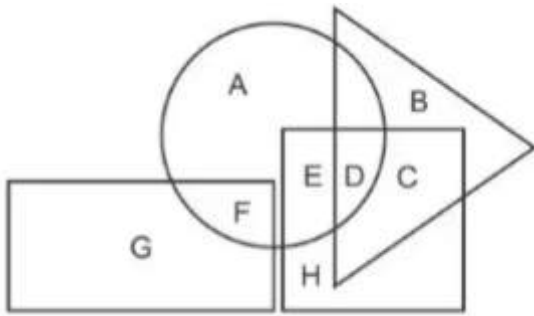
B Only conclusion II follows

- C Both conclusions I and II follow
- D Neither conclusion I nor conclusion II follows

Answer: D

Question 44

In the following figure, rectangle represents Journalists, circle represents Art critics, triangle represents Campers and square represents Mothers. Which set of letters represents Mothers who are Campers?



- A DC
- B BDCH
- C EDC
- D HEB

Answer: A

Question 45

A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.

ENG, GQI, ITK, KWM, ?

- A NAP
- B MZO
- C MAO
- D NZP

Answer: B

Explanation:

Series : ENG, GQI, ITK, KWM, ?

The pattern followed in each letter of the terms is :

1st letter : E (+2 letters) = G (+2 letters) = I (+2 letters) = K (+2 letters) = M

2nd letter : N (+3 letters) = Q (+3 letters) = T (+3 letters) = W (+3 letters) = Z

3rd letter : G (+2 letters) = I (+2 letters) = K (+2 letters) = M (+2 letters) = O

Thus, missing term = **MZO**

=> Ans - (B)

Question 46

In the following question, select the missing number from the given series.

58, 61, 65, 70, ?, 83

A 77

B 76

C 78

D 75

Answer: B

Explanation:

Consecutive integers are added.

$$58 + 3 = 61$$

$$61 + 4 = 65$$

$$65 + 5 = 70$$

$$70 + 6 = \mathbf{76}$$

$$76 + 7 = 83$$

=> Ans - (B)

Question 47

In the following question, four groups of three numbers are given. In each group the second and third number are related to the first number by a Logic/Rule/Relation. Three are similar on basis of same Logic/Rule/Relation. Select the odd one out from the given alternatives.

A (7, 14, 21)

B (5, 12, 19)

C (3, 10, 17)

D (9, 16, 35)

Answer: D

Explanation:

The numbers are of the form : $(x, x + 7, x + 14)$

But in the last option, we have $= 9 + 14 = 23 \neq 35$

Thus, $(9, 16, 35)$ is the odd one out.

=> Ans - (D)

Question 48

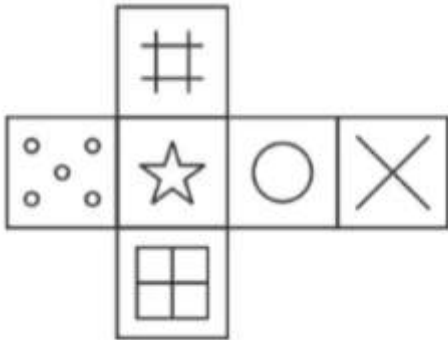
If a mirror is placed on the line MN, then which of the answer figures is the right image of the given figure?



Answer: B

Question 49

Which of the following cube in the answer figure cannot be made based on the unfolded cube in the question figure?



Answer: C

Question 50

A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as shown in the given two matrices. The columns and rows of Matrix I are numbered from 0 to 4 and that of Matrix II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, for example 'F' can be represented by 41, 24 etc and 'V' can be represented by 57, 78 etc. Similarly, you have to identify the set for the word 'MOCK'.

Matrix - I					
	0	1	2	3	4
0	E	M	F	J	A
1	B	H	L	M	I
2	K	J	C	M	F
3	M	H	B	D	A
4	B	F	J	G	E

Matrix - II					
	5	6	7	8	9
5	V	W	V	X	X
6	Y	N	O	S	O
7	Z	N	R	V	X
8	W	X	Y	W	S
9	P	Y	S	S	O

A 20,86,11,65

B 13,67,22,20

C 12,89,12,69

D 20,59,20,76

Answer: B

Explanation:

(A) : 20,86,11,65 = KXHY

(B) : 13,67,22,20 = **MOCK**

(C) : 12,89,12,69 = LSLO

(D) : 20,59,20,76 = KXKN

=> Ans - (B)

English

Instructions

In the following question, some part of the sentence may have errors. Find out which part of the sentence has an error and select the appropriate option. If a sentence is free from error, select 'No Error'.

Question 51

The first and decisive step (a)/ in the expansion of Europe overseas (b)/ was the conquest of Atlantic Ocean. (c)/ No error (d)

- A The first and decisive step
- B in the expansion of Europe overseas
- C was the conquest of Atlantic Ocean
- D No error

Answer: C

Question 52

The word 'Macabre' had been gained its significance from its (a)/ use in French as la danse macabre for the allegorical (b)/ representation of the universal power of death. (c)/ No error (d)

- A The word 'Macabre' had been gained its significance from its
- B use in French as la danse macabre for the allegorical
- C representation of the universal power of death
- D No error

Answer: A

Instructions

In the following question, the sentence given with blank to be filled in with an appropriate word. Select the correct alternative out of the four and indicate it by selecting the appropriate option.

Question 53

She was chatting _____ the cars.

- A of
- B about
- C with
- D on

Answer: B

Question 54

Success is achieved twice, once in the mind and the second time in the _____ world.

- A real
- B virtual
- C fantasy
- D artificial

Answer: A

Instructions

In the following question, out of the given four alternatives, select the one which best expresses the meaning of the given word.

Question 55

Naive

- A Sarcastic
- B Artful
- C Skeptical
- D Ingenuous

Answer: D

Question 56

Surly

- A Sweet
- B Unfriendly
- C Clear
- D Pleasant

Answer: B

Instructions

In the following question, out of the given four alternatives, select the one which is opposite in meaning of the given word.

Question 57

Myopic

- A Blind
- B Biased
- C Careless
- D Farsighted

Answer: D

Question 58

Defile

- A Pollute
- B Abuse
- C Shame
- D Honour

Answer: D

Instructions

For the following questions answer them individually

Question 59

Rearrange the parts of the sentence in correct order.

Attempts in India

P: honesty and more by blind faith

Q: by the government to validate traditional

R: medicine are driven less by

- A QPR
- B RPQ
- C QRP

D RQP

Answer: C

Question 60

A sentence has been given in Active/Passive Voice. Out of the four given alternatives, select the one which best expresses the same sentence in Passive/Active Voice.

The officer cuts down the tree.

A The tree is cut down by the officer.

B The tree got cut down by the officer.

C The tree is cut by the officer.

D The tree cut by the officer.

Answer: A

Question 61

A sentence has been given in Direct/Indirect Speech. Out of the four given alternatives, select the one which best expresses the same sentence in Indirect/Direct Speech.

Raj said, "I am happy to be here this evening."

A Raj said that he was happy to be there that evening.

B Raj was happy to be there this evening.

C Raj said he was happy to be there this evening.

D Raj says he is happy to be there.

Answer: A

Question 62

In the following question, a word has been written in four different ways out of which only one is correctly spelt. Select the correctly spelt word.

A Glamerous

B Glamrous

C Glamorous

D Gleamorous

Answer: C

Instructions

In the following passage, some of the words have been left out. Read the passage carefully and select the correct answer for the given blank out of the four alternatives.

The most powerful and the most perfect _____ of thought and feeling through the medium of oral language must be traced to the mastery of words. _____ is better suited to lead speakers and readers _____ English into an easy control of this language than the command of the phrase that perfectly expresses the thought. Every speaker's aim is to be heard and _____. A clear, crisp _____ holds an audience as by the spell of some irresistible power.

Question 63

the most perfect _____ of thought and feeling

A express

B expressive

C expressings

D expression

Answer: D

Question 64

mastery of words. _____ is better suited to lead

A No

B Not

C None

D Nothing

Answer: D

Question 65

and readers _____ English into an easy

A for

B of

C from

D at

Answer: B

Question 66

aim is to be heard and _____. A clear

A understand

B understandable

C understood

D understandably

Answer: C

Question 67

crisp _____ holds an audience as

A articulate

B articulates

C articulations

D articulation

Answer: D

Instructions

In the following question, out of the four alternatives, select the alternative which best expresses the meaning of the idiom/phrase.

Question 68

At the top of your lungs

A Be a habitual smoker.

B Be breathless after an exhausting physical task.

C Feel suffocated in a very crowded place.

D Extremely loudly.

Answer: D

Question 69

The wheels have come off

A To use something so much that it wears out.

B Things start to fail or go wrong, especially after a period of success.

C To do a shoddy job which is destined to fail.

D Make an excuse to avoid doing a task.

Answer: B

Instructions

In the following question, out of the four alternatives, select the alternative which is the best substitute of the words/sentence.

Question 70

An attractively tall, graceful, and dignified woman

A Terse

B Pithy

C Sententious

D Statuesque

Answer: D

Question 71

The return of someone to his own country

A Repatriation

B Migrate

C Emigrate

D Immigrate

Answer: A

Instructions

In the following question, out of the four alternatives, select the alternative which will improve the bracketed part of the sentence. In case no improvement is needed, select "no improvement".

Question 72

The doctor removed the eye patch and asked him how he (were feeling).

A was felt

B has feeling

C was feeling

D no improvement

Answer: C

Question 73

It is nothing less than magic which (will transformed) tiny teeny seeds into fruits of life.

A transform

B transforms

C transforming

D no improvement

Answer: B

Instructions

For the following questions answer them individually

Question 74

The question below consists of a set of labelled sentences. Out of the four options given, select the most logical order of the sentences to form a coherent paragraph.

Many a bird found

A: secure in the branches

B: safety in the trees and

C: built their nests, feeling

A BAC

B BCA

C ACB

D ABC

Answer: B

Question 75

In the following question, four words are given out of which one word is correctly spelt. Select the correctly spelt word.

A daclination

B declination

C declination

D daclineation

Answer: C

General Awareness

Instructions

For the following questions answer them individually

Question 76

When the productive capacity of the economic system of state is inadequate to create sufficient number of jobs, it is called _____.

A seasonal unemployment

- B** structural unemployment
- C** disguised unemployment
- D** cyclical unemployment

Answer: D

Question 77

Which of the following contributes the maximum earning in Indian Railways?

- A** Passenger Earning
- B** Goods Traffic Earning
- C** Sundry Earning
- D** Other Coach Earning

Answer: B

Question 78

Which of the following Vedas is referred to as the starting source of the word Rudra?

- A** Rigveda
- B** Samaveda
- C** Yajurveda
- D** Atharvaveda

Answer: A

Question 79

The eminent Saint Vallabhacharya was associated with which of the following branches?

- A** Gyanashrayi
- B** Krishnashrayi
- C** Premashrayi

D Ramashrayi

Answer: B

Question 80

Which of the following is NOT a terrestrial planet?

A Mercury

B Venus

C Mars

D Saturn

Answer: D

Question 81

The Line of Cancer passes through how many states of India?

A 5

B 6

C 7

D 8

Answer: D

Question 82

When was Guru Nanak Dev born?

A 1449 AD

B 1453 AD

C 1469 AD

D 1499 AD

Answer: C

Question 83

Which of the following country is NOT a member of the 'Indian Ocean Rim Association (IORA)?

- A** Seychelles
- B** Sri Lanka
- C** India
- D** China

Answer: D

Question 84

Which of the following President was awarded the Nobel Peace Prize 2016?

- A** Raffel Korea
- B** Juan Manuel Santos
- C** Donald Trump
- D** Alexander Lukashenko

Answer: B

Question 85

Who is the the present Prime Minister of Pakistan?

- A** Mamnoon Hussain
- B** Shahid Khaqan Abbasi
- C** Muhammad Nawaz Sharif
- D** Yousaf Raza Gillani

Answer: B

Question 86

In which part of the human body fat is completely digested?

- A Small Intestine
- B Liver
- C Stomach
- D Large Intestine

Answer: A

Question 87

Which of the following statement(s) is/are INCORRECT regarding Phosphorus?

- A Phosphorus reacts vigorously with water.
- B It is a non:metal.
- C It catches fire on reacting with air.
- D It is found in group 15 of the modern periodic table.

Answer: A

Question 88

Match the following

Body	Type
I. Panchayti raj	1.Non-Constitutional
II.Election Commission	2.Local Government
III.Central Information Commission	3.Constitutional

- A I - 1, II - 2, III - 3
- B I - 2, II - 1, III - 3
- C I - 2, II - 3, III - 1
- D I - 1, II - 3, III - 2

Answer: C

Question 89

All the members of a municipality are _____ by the people of municipal area.

- A Elected directly
- B Elected indirectly
- C Nominated proportionally
- D Nominated indirectly

Answer: A

Question 90

The maintenance functions of living organisms are performed by the _____.

- A chemical processes
- B life processes
- C physical processes
- D No option is correct.

Answer: B

Question 91

Which of the following may cause the breakdown of pyruvate into lactic acid in our muscles?

- A Lack of water
- B Lack of Oxygen
- C Lack of carbon dioxide
- D Lack of nitrogen

Answer: B

Question 92

In September 2017, "Pradhan Mantri Sahaj Bijli Har Ghar Yojna" was launched for giving electricity connections in rural and urban areas by _____.

- A March, 2019
- B December, 2018
- C March, 2018
- D October, 2018

Answer: B

Question 93

By which process the Chinese Scientists have cloned two identical long: tailed macaques?

- A Polymerase chain reaction
- B Parthenogenesis
- C Somatic cell nuclear transfer
- D Embryonic cell nuclear transfer

Answer: C

Question 94

In India, how much percent of GDP is the fiscal deficit target for the Financial Year 2017:18?

- A 4.20%
- B 3.20%
- C 2.20%
- D 4.00%

Answer: B

Question 95

On 10 April 2017, Lok Sabha Passed the Motor Vehicles Act (Amendment) Bill, 2016. Under the new provisions, government will develop a scheme fo cashless treatment of road accident victims during ____.

- A Silver hour
- B Platinum hour
- C Diamond hour
- D Golden hour

Answer: D

Question 96

A bullet of mass 10gm is fired with a velocity of 40 m/s from a gun of mass 8 kg. Find the recoil velocity (in m/s) of the gun.

- A 2
- B 0.1
- C 4
- D 0.05

Answer: D

Question 97

During uniform motion of an object along a straight line, its _____ remains constant with time.

- A acceleration
- B deceleration
- C force
- D velocity

Answer: D

Question 98

The bodies of penguins are _____ and their feet have webs, making them good swimmers.

- A heavy

- B** feathery
- C** streamlined
- D** oily

Answer: C

Question 99

Which of the statements given below are correct?

- A) Dani Pedrosa won the 2017 Qatar Motorcycle Grand Prix MotoGP.**
- B) Bernhard Langer won the Golf 2017 BMW PGA Championship.**
- C) Dustin Johnson won the Formula One 2017 Abu Dhabi Grand Prix.**

- A** Only B
- B** B and C
- C** A, B and C
- D** None of these

Answer: D

Question 100

In Microsoft Word, under character formatting _____ increases/decreases the size of the characters.

- A** Size
- B** Font
- C** Effects
- D** Font style

Answer: A