SSC CHSL 8 March 2018 Morning Shift

Quant

Instructions

For the following questions answer them individually

Question 1

Calculate the value of 0.77777+0.7777+0.777+0.77+0.7+0.07

A 3.86274

B 3.80247

C 3.85274

D 3.87247

Answer: D

Explanation:

Expression : 0.77777+0.7777+0.777+0.77+0.7+0.07

= 3.87247

=> Ans - (D)

Question 2

A crate of egg holds one rotten egg out of every 25 egg in it. If 5 out of 8 rotten eggs are unusable and there are total 10 unusable eggs in the crate, then calculate the number of eggs in the crate.

A 380

B 400

C 420

D 440

Answer: B

Explanation:

Number of unusable eggs = 10

Number of rotten eggs for 5 unusable eggs = 8

=> Number of rotten eggs for 10 unusable eggs = $\frac{8}{5} \times 10 = 16$

Ratio of rotten eggs to total eggs = 1 : 25

=> Total number of eggs in the crate = $\frac{25}{1} \times 16 = 400$

=> Ans - (B)

Question 3

What is the area (in square units) of the figure enclosed by the x-axis, the y-axis and the line x + 2y = 6 ?

A 3

B 6

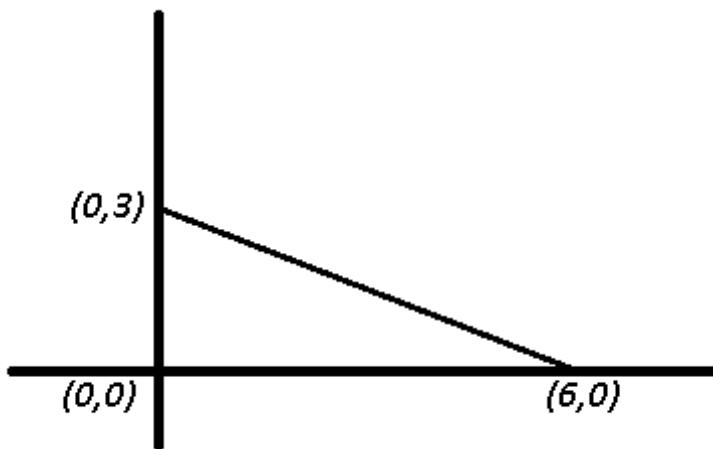**C** 9

D 12

Answer: C

Explanation:
Solving the equation $x + 2y = 6$ by putting $x = 0$, => $2y = 6$

=> $y = 3$

Similarly, by putting $y = 0$, => $x = 6$

Thus, plotting graph of points : $(0, 3)$ and $(6, 0)$

Thus, area = $\frac{1}{2} \times 3 \times 6 = 9$ sq.units

=> Ans - (C)

Question 4

What is the number of decimal places in a cube root of a number having 27 decimal places ?

A 3

B 6

C 9

D 27

Answer: C

Explanation:

Let the number be N_1 which consists of 27 decimal places.

Now, $N_1 = \frac{N}{10^{27}}$

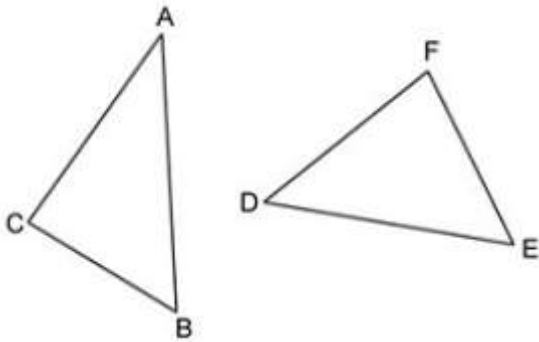Cube root of this number will be $= \sqrt[3]{\frac{N}{10^{27}}}$

$= \frac{N^{\frac{1}{3}}}{10^9} = \frac{x}{10^9}$

Here, x is cube root of n, and will have 9 decimal places.

=> Ans - (C)

Question 5

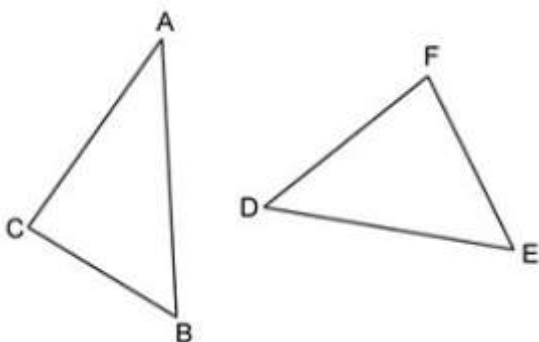**Which of the following condition is sufficient to state that the triangle ABC and DEF are similar?**

A ∠A=∠D and ∠C=∠F

B ∠A>∠D and ∠B=∠E

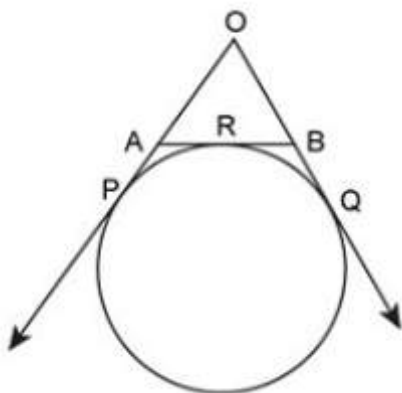**C** ∠B=∠E and ∠C<∠F

D All option are correct

Answer: A

Explanation:

For △ ABC ~ △ DEF, we need to have atleast 2 pairs of corresponding angles equal.

Thus, according to the first option, we have : ∠A=∠D and ∠C=∠F

=> Ans - (A)

Question 6

Which of the following options is CORRECT about the figure shown below ?

A   OA - AR = OB + BR

B   OA + AR = OB - BR

C   OA + AR = OB + BR

D   None of these

   Answer: C

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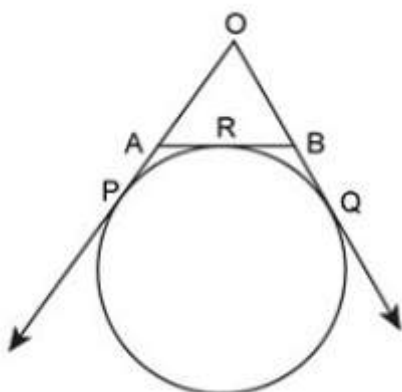
If two tangents are drawn to a circle from one external point, then their tangent segments (lines joining the external point and the points of tangency) are equal.

Thus, AP = AR and BQ = BR -------------(i)

Also, OP = OQ

=> OA + AP = OB + BQ

Substituting value from equation (i), we get :

=> OA + AR = OB + BR

=> Ans - (C)

Question 7

If the edge of a cube is increased by 10%, then what will be the percentage increase in its volume ?

A 30

B 31.3

C 136.1

D 33.1

   Answer: D

Explanation:

Let edge of cube initially = $a = 10$ cm

Volume = $V = a^3 = (10)^3 = 1000\ cm^3$

New edge after 10% increase = $a' = 10 + (\frac{10}{100} \times 10) = 11$ cm

=> New volume = $V' = (11)^3 = 1331\ cm^3$

$\therefore$ % increase in volume = $\frac{(1331-1000)}{1000} \times 100$

= $\frac{331}{10} = 33.1\%$

=> Ans - (D)

Question 8

Rs 18200 is divided among X, Y and Z in the ratio of 1/3: 1/4: 1/2. What is the share (in Rs) of X ?

A 7000

B 4400

C 4200

D 5600

   Answer: D

Explanation:

Total amount = Rs. 18,200

Ratio of amount with X : Y : Z = $\frac{1}{3} : \frac{1}{4} : \frac{1}{2}$

=> Share of X = $\frac{\frac{1}{3}}{(\frac{1}{3}+\frac{1}{4}+\frac{1}{2})} \times 18,200$

= $\left(\frac{1}{3} \div \frac{4+3+6}{12}\right) \times 18,200$

$= \frac{1}{3} \times \frac{12}{13} \times 18,200$

$= 4 \times 1400 = Rs. 5600$

=> Ans - (D)

Question 9

In what ratio must a mixture of 20% milk strength be mixed with that of 60% milk strength so as to get a new mixture of 25% milk strength ?

A   7 : 1

B   4 : 1

C   5 : 2

D   9 : 2

   Answer: A

Explanation:

Let the ratio in which 20% milk be mixed with that of 60% milk = $x : y$

According to ques,

=> $20x + 60y = 25(x + y)$

=> $20x + 60y = 25x + 25y$

=> $25x - 20x = 60y - 25y$

=> $5x = 35y$

=> $\frac{x}{y} = \frac{35}{5} = 7$

$\therefore$ Required ratio = **7 : 1**

=> Ans - (A)

Question 10

What is the average of first 39 even numbers ?

A   39

B   40

C   20

D   68

   Answer: B

Explanation:

Sum of first n even numbers = $n(n + 1)$ and sum of first n odd numbers = n^2

=> Average of first n even numbers = $\frac{n(n+1)}{n} = (n+1)$

∴ Average of first 39 even numbers = $(39 + 1) = 40$

=> Ans - (B)

Question 11

A sum becomes Rs 2286 in 3 years and Rs 2448 in 4 years at simple interest. What is the rate (in percentage) of interest per annum?

A 10

B 9

C 8

D 11

Answer: B

Explanation:

Let sum = Rs. $100x$ and rate of interest = $r\%$

Amount after 3 years = Rs. 2286

=> Amount under simple interest = $P + \frac{P \times R \times T}{100}$

=> $100x + \frac{100x \times r \times 3}{100} = 2286$

=> $100x + 3rx = 2286$

=> $x(100 + 3r) = 2286$ ---------------(i)

Similarly, after 4 years, => => $100x + \frac{100x \times r \times 4}{100} = 2448$

=> $x(100 + 4r) = 2448$ -------------(ii)

Dividing equation (ii) by (i), we get :

=> $\frac{100+4r}{100+3r} = \frac{2448}{2286}$

=> $228600 + 9144r = 244800 + 7344r$

=> $9144r - 7344r = 100(2448 - 2286)$

=> $1800r = 100 \times 162$

=> $r = \frac{162}{18} = 9\%$

=> Ans - (B)

Question 12

Selling price of a fan is Rs 4644. If profit percentage is 29%, then what is the cost price (in Rs) of fan?

A   5900

B   3500

C   3800

D   3600

Answer: D

Explanation:
Selling price = Rs. 4644

Profit % = 29%

=> Cost price = $\frac{4644}{(100+29)} \times 100$

= $36 \times 100 = Rs.\ 3600$

=> Ans - (D)

Question 13

The marked price of a helmet is 30% more than its cost price. If the helmet is sold for Rs 744 after a discount of Rs 36, then what will be the profit percentage?

A   24

B   18

C   21

D   27

Answer: A

Explanation:
Let cost price = Rs. $100x$

=> Marked price = $100x + \left(\frac{30}{100} \times 100x\right) = Rs.\ 130x$

Selling price = Rs. 744

=> Discount amount = $130x - 744 = 36$

=> $130x = 36 + 744 = 780$

=> $x = \frac{780}{130} = 6$

Thus, cost price = $100 \times 6 = Rs.\ 600$

∴ Profit % = $\frac{(744-600)}{600} \times 100$

= $\frac{144}{6} = 24\%$

=> Ans - (A)

Question 14

Which of the following statement (s) is/are TRUE?
I. 4√3 > 3√4
II. 8√2 > 2√8

A Only I

B Only II

C Neither I nor II

D Both I and II

Answer: D

Explanation:
We know that $\sqrt{3} = 1.7$ and $\sqrt{4} = 2$.

$\sqrt{2} = 1.4$ and $\sqrt{8} = 2.8$

I) $4\sqrt{3} = 4 \times 1.7 \approx 6.8$

and $3\sqrt{4} = 3 \times 2 = 6$

=> $4\sqrt{3} > 3\sqrt{4}$

II) $8\sqrt{2} = 8 \times 1.4 \approx 12$

and $2\sqrt{8} = 2 \times 2.8 = 5.6$

=> $8\sqrt{2} > 2\sqrt{8}$

$\therefore$ Both I and II are true.

=> Ans - (D)

Question 15

S, T and U together can complete a work in 30 days. If the ratio of efficiency of S, T and U is 20: 15: 12 respectively, then in how many days U alone can complete the same work?

A 195/2

B 235/2

C 225/2

D 215/2

Answer: B

Explanation:

Let efficiencies of S, T and U be $20x$, $15x$ and $12x$ units/day respectively.

S, T and U together can complete the work in 30 days

=> Total work to be done = $30 \times (20x + 15x + 12x) = 1410x$ units

∴ Time taken by U alone to complete the work = $\frac{1410x}{12x} = \frac{235}{2}$ days

=> Ans - (B)

Question 16

A train is moving at the speed of 90 km/hr. How many seconds it will take to cover a distance of 2275 meter?

A 96

B 91

C 86

D 93

Answer: B

Explanation:

Speed of train = 90 km/hr = $\left(90 \times \frac{5}{18}\right) = 25$ m/s

Time taken to cover 2275 m = distance/speed

= $\frac{2275}{25} = 91$ seconds

=> Ans - (B)

Instructions

The line graph shows the number of deaths due to rail accidents in a certain state. Study the diagram and answer the following questions.

No. of deaths
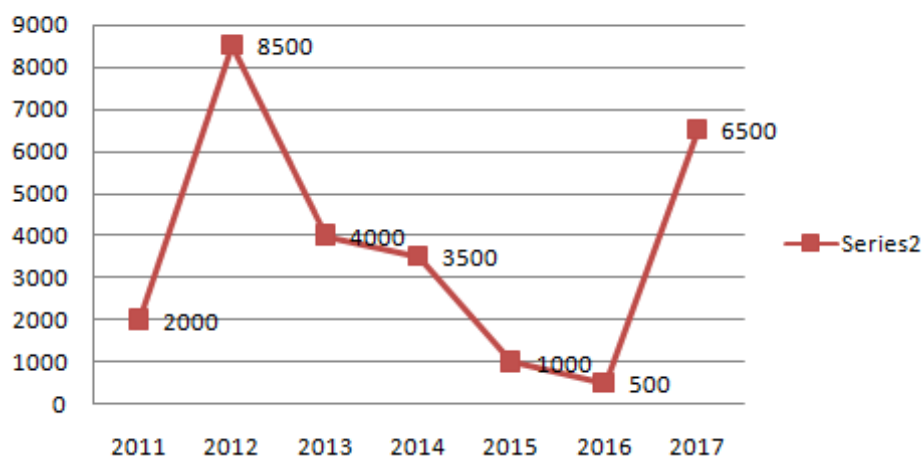
Year

Question 17

In which year were the number of deaths greater than that of the previous year ?

A 2013

B 2012

C 2014

D 2015

   Answer: B

Explanation:
In **2012** and 2017, the number of deaths were greater than that of the previous year.

=> Ans - (B)

Question 18

What was the difference in the number of deaths between the years 2012 and 2015 ?

A 6500

B 8500

C 7500

D 5500

   Answer: C

Explanation:
Number of deaths in 2012 = 8500

Number of deaths in 2015 = 1000

=> Required difference = $8500 - 1000 = 7500$

=> Ans - (C)

Question 19

The number of deaths in 2017 were greater than that in 2013 by _____.

A 50%

B 35%

C 62.5%

D 37.5%

Answer: C

Explanation:

Number of deaths in 2017 = 6500

Number of deaths in 2013 = 4000

=> Required % = $\frac{(6500-4000)}{4000} \times 100$

= $\frac{2500}{40} = 62.5\%$

=> Ans - (C)

Question 20

If on an average Rs 5 lakhs was paid as insurance for each death due to a rail accident, then how much insurance was paid (in Rs crore) in the year 2014 ?

A 225

B 275

C 125

D 175

Answer: D

Explanation:

Number of deaths in 2014 = 3500

Average insurance fee per death = Rs. 5 lakhs

=> Insurance paid (in Rs crore) in the year 2014 = $3500 \times 0.05 = 175$

=> Ans - (D)

Instructions

For the following questions answer them individually

Question 21

What must be the length (in cm) of the diagonal of a rectangle if its area and breadth are 120 cm2 and 8 cm respectively ?

A 34

B 17

C 15

D 30

Answer: B

Explanation:

Let length of rectangle = l cm and breadth, $b = 8$ cm

=> Area = $8l = 120$

=> $l = \frac{120}{8} = 15$ cm

=> Diagonal, $d = \sqrt{l^2 + b^2}$

=> $d = \sqrt{(15)^2 + (8)^2}$

=> $d = \sqrt{225 + 64} = \sqrt{289}$

=> $d = 17$ cm

=> Ans - (B)

Question 22

If the measure of the interior angle of a regular polygon is 90° greater than the measure of its exterior angle, then how many sides does it have ?

A 8

B 9

C 10

D 12

Answer: A

Explanation:

Let the number of sides of the polygon = n

Sum of all interior angles = $(n - 2) \times 180°$

Sum of all exterior angles = $360°$

According to ques,

=> $\frac{(n-2) \times 180°}{n} - \frac{360°}{n} = 90°$

=> $180n - 360 - 360 = 90n$

=> $180n - 90n = 720$

=> $n = \frac{720}{90} = 8$

=> Ans - (A)

Question 23

Find the volume (in cmc) of a hemisphere of diameter 21 cm.

A 2235.5

B 2425.5

C 2040

D 1860

Answer: B

Explanation:
Diameter of hemisphere = 21 cm

Volume of hemisphere = $\frac{2}{3} \times \pi r^3$

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

= $\frac{11 \times 441}{2} = 2425.5\ cm^3$

=> Ans - (B)

Question 24

What is the value of (cosec30°- 1/√3) ?

A (2√3-1)/√3

B (√3-4)/2√3

C -1/√3

D 2/√3

Answer: A

Explanation:
Expression : $\left(cosec30° - \frac{1}{\sqrt{3}}\right)$

= $\left(2 - \frac{1}{\sqrt{3}}\right)$

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

=> Ans - (A)

Question 25

In ΔXYZ measure of angle Y is 90°. If cosecX = 13/12, and XY = 1cm, then what is the length (in cm) of side YZ?

A 2.6

B   1.5

C   2.4

D   2

    Answer: C

Explanation:
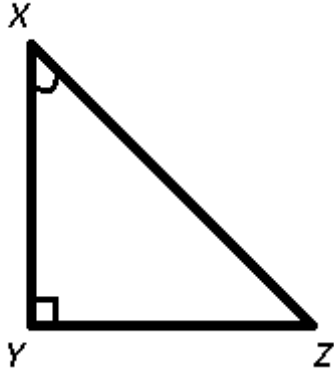
Given : $\operatorname{cosec} X = \frac{13}{12}$

Also, $\operatorname{cosec} X = \frac{XZ}{YZ} = \frac{13}{12}$

Let XZ = $13x$ cm and YZ = $12x$ cm

Thus, in $\triangle$ XYZ, => $(XY)^2 = (XZ)^2 - (YZ)^2$

=> $(XY)^2 = (13x)^2 - (12x)^2$

=> $(XY)^2 = 169x^2 - 144x^2 = 25x^2$

=> $XY = \sqrt{25x^2} = 5x$ cm

According to ques, => $5x = 1$

=> $x = \frac{1}{5}$

$\therefore$ YZ = $12 \times \frac{1}{5} = 2.4$ 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.
Book: Pages:: ?: ?

A   Writer: Write

B Pen: Write

C Car: Tyre

D Tyre : Round

Answer: C

Explanation:

Expression = Book: Pages:: ?: ?

The first is incomplete without second, i.e. book is a collection of pages, similarly a car is nothing without tyres.

=> Ans - (C)

Question 27

In the following question, select the related number from the given alternatives.
553: 551:: 447: ?

A 443

B 445

C 441

D 451

Answer: B

Explanation:

Expression = 553: 551:: 447: ?

The pattern followed is = $x : (x - 2)$

Eg :- $553 : 553 - 2 = 553 : 551$

Similarly, $447 - 2 = 445$

=> Ans - (B)

Question 28

In the following question, select the related letter pair from the given alternatives.
FOM : CLJ :: ? : ?

A RQS : POQ

B RAX : OXU

C   JKN : MNQ

D   ACD : CEF

Answer: B

Explanation:

Expression = FOM : CLJ :: ? : ?

The pattern followed is :

F	O	M
(-3)	(-3)	(-3)
C	L	J

Similar pattern is observed only in :

R	A	X
(-3)	(+3)	(+3)
O	X	U

=> Ans - (B)

Question 29

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

A   Zinc - Metal

B   Aluminium - Metal

C   Crocodile - Water

D   Gold - Metal

Answer: C

Explanation:

Zinc, aluminium and gold are metals while crocodile is a reptile, 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   9 - 81

B   8 - 64

C 6 - 36

D 7 - 47

   Answer: D

Explanation:
The second number is the square of the first number.

$(9)^2 = 81$

$(8)^2 = 64$

$(6)^2 = 36$

$(7)^2 = 49 \neq 47$

=> Ans - (D)

Question 31

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

A BE

B SU

C AD

D OR

   Answer: B

Explanation:
(A) : B (+3 letters) = E

(B) : S (**+2** letters) = U

(C) : A (+3 letters) = D

(D) : O (+3 letters) = R

=> Ans - (B)

Question 32

Arrange the given words in the sequence in which they occur in the dictionary.
1. Scrape
2. Scramble
3. Scream
4. Scornful
5. Scour

A 12354

B 35421

C 51243

D 45213

Answer: D

Explanation:
As per the order of dictionary :

= Scornful -> Scour -> Scramble -> Scrape -> Scream

$\equiv$ 45213

=> Ans - (D)

Question 33

**In the following question, select the missing number from the given series.
9, 13, 18, 24, 31, ?**

A 39

B 35

C 40

D 37

Answer: A

Explanation:
Consecutive integers are added.

9 + 4 = 13

13 + 5 = 18

18 + 6 = 24

24 + 7 = 31

31 + 8 = **39**

=> Ans - (A)

Question 34

**A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.
XPK, VNJ, TLH, RJE, ?**

A PHB

B OIA

C OIB

D PHA

    Answer: D

Explanation:

Series : XPK, VNJ, TLH, RJE, ?

The pattern followed in each letter of the terms is :

1st letter : X (-2 letters) = V (-2 letters) = T (-2 letters) = R (-2 letters) = P

2nd letter : P (-2 letters) = N (-2 letters) = L (-2 letters) = J (-2 letters) = H

3rd letter : K (-1 letter) = J (-2 letters) = H (-3 letters) = E (-4 letters) = A

Thus, missing term = **PHA**

=> Ans - (D)

Question 35

In a row of swimmers Manish, is 23rd from the left end. Ramesh is 11 ranks to the left of Manish. If Ramesh is 16th from right end, then how many swimmers are there in this row?

A 28

B 27

C 30

D 29

    Answer: B

Explanation:

Manish's position from left end = 23rd

Ramesh is 11 ranks to the left of Manish, => Ramesh's position form left end = 23 - 11 = 12th

Also, Ramesh's position from right end = 16th

=> Number of swimmers = $(12 + 16) - 1 = 27$

=> Ans - (B)

Question 36

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

A Source

B Rise

C Ours

D Sour

   Answer: B

Explanation:

The word RESOURCES does not contain any 'I', thus the term **Rise** cannot be formed.

=> Ans - (B)

Question 37

In a certain code language, "FRAME" is written as "79635" and "TOWEL" is written as "21854". How is "WORM" written in that code language?

A 9376

B 8193

C 9183

D 1593

   Answer: B

Explanation:

Codes for each letters are given.

W -> 8
O -> 1
R -> 9
M -> 3

Thus, WORM : **8193**

=> Ans - (B)

Question 38

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

12 - 6 + 4 x 10 ÷ 16 = ?

A 14

B 2

C 24

D 5

Answer: C

Explanation:
Expression : 12 - 6 + 4 x 10 ÷ 16 = ?

$$\equiv 12 \times 6 \div 4 - 10 + 16$$

= $(3 \times 6) + 6$

= $18 + 6 = 24$

=> Ans - (C)

Question 39

The following equation is incorrect. Which two signs should be interchanged to correct the equation?
18 - 2 ÷ 20 + 5 x 16 = 69

A ÷ and -

B + and x

C + and ÷

D - and +

Answer: A

Explanation:
Expression : 18 - 2 ÷ 20 + 5 x 16 = 69

(A) : ÷ and -

$$\equiv 18 \div 2 - 20 + 5 \times 16 = 69$$

L.H.S. = $\left(\frac{18}{2}\right) - 20 + (5 \times 16)$

= $9 - 20 + 80 = 69 = $ R.H.S.

=> Ans - (A)

Question 40

If -2@-4 =-8,-1@-8 =-8 and-1@6 = 6, then find the value of-1@7 = ?

A 95

B -88

C 82

D 7

Answer: D

Explanation:

Given : -2@-4 =-8,-1@-8 =-8 and-1@6 = 6

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

Eg :- $-1(-2 \times -4) = -8$

and $-1(-1 \times -8) = -8$ and $-1(-1 \times 6) = 6$

Similarly, $-1(-1 \times 7) = 7$

=> Ans - (D)

Question 41

Which of the following terms follows the trend of the given list? XXXXXXYY, XXXXXYXY, XXXXYXXY, XXXYXXXY, XXYXXXXY, _____.

A YXXXXXXY

B XXXXXXYY

C XYXXXXXY

D XXXXXYXY

Answer: C

Explanation:

Expression : XXXXXXYY, XXXXXYXY, XXXXYXXY, XXXYXXXY, XXYXXXXY, _____.

The pattern followed is that in each term there are combinations of 6 X's and 2 Y's in which last letter is always 'Y' and the position of second Y keeps shifting one place to the left.

Thus, in the missing term, the second term will be 'Y' = **XYXXXXXY**

=> Ans - (C)

Question 42

A marketing executive goes on his field work and walks 2 km North, then he turns West and walks 6 km, then he turns North and walks 7 km, and then he turns to his right and walks 6 km. Where is he now with respect to his starting position?

A 5 km North

B 9 km North

C 9 km South

D 5 km South

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: All cakes are pastries
Statement II: Some bread are cakes
Conclusion I: No pastries are bread
Conclusion II: Some bread are pastries

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 Chefs, circle represents Choreographers, triangle represents
Divers and square represents Americans. Which set of letters represents Americans who are either
Choreographers or Divers?
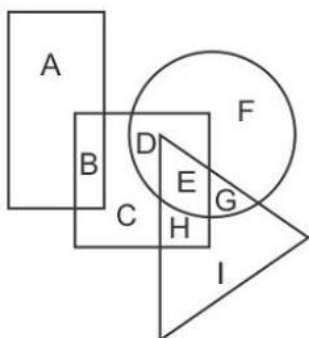
A CDE

B EGI

C DEH

D BCH

Answer: C

Question 45

A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.
MAN, ODR, QGV, SJZ, ?

A UMD

B VNC

C UNC

D VMD

Answer: A

Explanation:

Series : MAN, ODR, QGV, SJZ, ?

The pattern followed in each letter of the terms is :

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

2nd letter : A (+3 letters) = D (+3 letters) = G (+3 letters) = J (+3 letters) = M

3rd letter : N (+4 letters) = R (+4 letters) = V (+4 letters) = Z (+4 letters) = D

Thus, missing term = **UMD**

=> Ans - (A)

Question 46

In the following question, select the missing number from the given series.
192, 186, 180, 174, ?, 162

A 166

B 168

C 164

D 170

Answer: B

Explanation:

'6' is subtracted from all the numbers.

192 - 6 = 186

186 - 6 = 180

180 - 6 = 174

174 - 6 = **168**

168 - 6 = 162

=> 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 (13, 26, 39)

B (15, 30, 45)

C (17, 34, 51)

D (19, 38, 59)

 Answer: D

Explanation:
The numbers are of the form : $(x, 2x, 3x)$

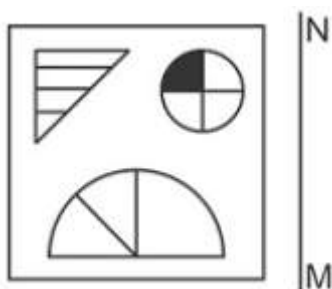But in the last option, we have = $19 \times 3 = 57 \neq 59$
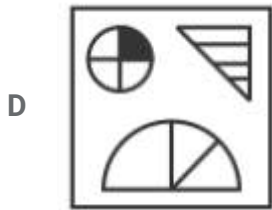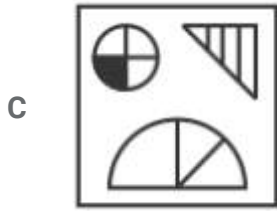
Thus, (19, 38, 59) is the odd one out.
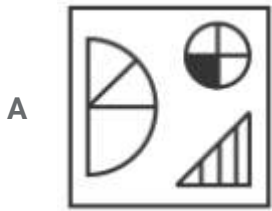
=> Ans - (D)

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?
IMAGE

A

B

C

D

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?

A

B

C

D
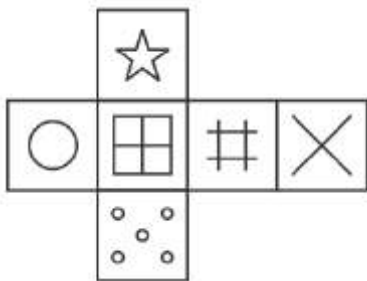
Answer: B

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·' 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 '1' can be represented by 21, 14 etc and V can be represented by 95, 86 etc. Similarly, you have to identify the set for the word 'LITE'.

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

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

A 14,97,42,78

B 22,77,22,58

C 24,79,12,56

D 20,43,55,31

Answer: D

Explanation:

(A) : 14,97,42,78 = JNDZ

(B) : 22,77,22,58 = FZFQ

(C) : 24,79,12,56 = JTGW

(D) : 20,43,55,31 = **LITE**

=> Ans - (D)

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

She reached to (a)/ station barely (b)/ on time. (c)/ No error (d)

A She reached to

B station barely

C on time

D No error

    Answer: A

Question 52

The goal of personal development is to learn and apply that (a)/ which enable us to attain emotional well:being, understanding and (b)/ effectiveness, and to share this knowledge with others. (c)/ No error (d)

A The goal of personal development is to learn and apply that

B which enable us to attain emotional well:being, understanding and

C effectiveness, and to share this knowledge with others

D No error

    Answer: B

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

The dog runs _____ the street.

A of

B with

C to

D about

  Answer: D

Question 54

We must join hands and stop corruption which is posing _____ in the development of India.

A tolerance

B radiance

C hindrance

D relevance

  Answer: C

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

Sustenance

A Extras

B Injury

C Aid

D Blockage

  Answer: C

Question 56

Conscientious

A Concentrated

B Honest

C Scientific

D False

    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

Resolute

A Agreeable

B Determined

C Constant

D Faithful

    Answer: A

Question 58

Nefarious

A Evil

B Pleasing

C Rotten

D Infernal

    Answer: B

Instructions

For the following questions answer them individually

Question 59

Rearrange the parts of the sentence in correct order.
Today India looks
P: to be on course
Q: of developed nations
R: to join the league

A   PRQ

B   QRP

C   RPQ

D   PQR

Answer: A

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.
Lily was making a fort.

A   Lily made a fort.

B   A fort was being made by Lily.

C   A fort made by Lily.

D   A fort got made by Lily.

Answer: B

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. Sita said, "Will he listen to such a man?"

A   Sita said would we listen to such a man.

B   Sita ask if he would listen to such a man.

C   Sita said would I listen to such a man.

D   Sita asked whether he would listen to such a man.

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 Irresistable

B Irresistible

C Iresistible

D Iresistable

Answer: B

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. While language as the medium _____ thought may be compared to air as the medium of the sun's influence, in other _____ it is like the skin of the body; a scurvy skin shows bad blood within, and a scurvy language shows inaccurate thought _____ a confused mind. And as a disease once fixed on the skin reacts and poisons the blood in turn as it has first been poisoned by the blood, so careless use of language _____ indulged reacts on the mind to make it permanently and increasingly _____, illogical, and inaccurate in its thinking.

Question 63

as the medium _____ thought may

A from

B of

C for

D to

Answer: B

Question 64

in other _____ it is like the skin

A respectful

B respectfully

C respected

D respects

Answer: D

Question 65

shows inaccurate thought _____ a confused mind.

A and

B but

C so

D then

Answer: A

Question 66

use of language _____ indulged reacts

A of

B then

C if

D at

Answer: C

Question 67

increasingly _____, illogical, and

A carelessness

B carelessly

C careless

D care less

Answer: C

Instructions

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

Question 68

Be in two minds

A   Behave smart at sometime and stupid at other.

B   Unable to decide.

C   Having a split personality disorder.

D   Trying to do two things at the same time.

Answer: B

Question 69

Wet behind the ears

A   To take a bath.

B   Lacking experience or be immature.

C   To speak bad behind other's back.

D   Not able to eavesdrop despite trying hard.

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

Annoyed or irritated and quick to take offence at petty things

A   Appease

B   Mollify

C   Huffy

D Soothe

Answer: C

Question 71

Decrease or fade gradually before coming to an end

A Surge

B Accrual

C Peter

D Swell

Answer: C

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

Thus we (going) back to what might be termed as old values.

A went

B gone

C was going

D no improvement

Answer: A

Question 73

Many novelists from the sub-continent (has provided) scathing accounts of this period.

A have provided

B have provide

C have provides

D no improvement

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.

The absence of zebra
A: to the life and person
B: of citizens in most cities
C: crossings has become a threat

A BCA

B BAC

C CAB

D ACB

Answer: C

Question 75

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

A conturtion

B contorsion

C contortion

D contursion

Answer: C

General Awareness

Instructions
For the following questions answer them individually

Question 76

Disguised unemployment generally means_____.

A   Large number of people remain unemployed

B   alternative employment is NOT available

C   marginal productivity of labour is zero

D   productivity of workers is low

   Answer: C

Question 77

The State Financial Corporations have given assistance mainly to develop_____.

A   agriculture farms

B   cottage industries

C   medium and small:scale industries

D   large scale industries

   Answer: C

Question 78

Which of the following Pratyahara king took the title of 'Pramana'?

A   Mihirbhoj

B   Watsaraj

C   Ram Bhoj

D   Nagabhata II

   Answer: A

Question 79

Where did the telegraph line be laid first?

A   Calcutta to Agra

B   Agra to Jaipur

C Delhi to Shimla

D Raniganj to Calcutta

Answer: A

Question 80

Equinox means the date when _____.

A duration of day and night are equal

B day is longer than the night

C night is longer than the day

D it is the shortest day and the shortest night of the year

Answer: A

Question 81

Which of the following countries does NOT has the international border with India?

A Pakistan

B Bangladesh

C Bhutan

D Sri Lanka

Answer: D

Question 82

Where was Guru Nanak Dev (the originator of Sikh religion) born?

A Amritsar

B Anandpur Sahib

C Talwandi

D Patna Sahib

Answer: C

Question 83

The 48th World Economic Forum (WEF) annual meeting was held in which of the following countries?

A   Australia

B   China

C   Switzerland

D   France

   Answer: C

Question 84

Who among the following is NOT one of the recipients of Major Dhayan Chand Award for the year 2017?

A   Bhupender Singh

B   Syed Shahid Hakim

C   Sumarai Tete

D   Brij Bhushan Mohanty

   Answer: D

Question 85

Which of the following countries border touches with China?

A   Uzbekistan

B   Thailand

C   Vietnam

D   South Korea

   Answer: B

Question 86

Polycot is a mixture of which among the following?

A   Polyester and cotton

B   Polyester and wool

C   Rayon and cotton

D   Rayon and wool

Answer: A

Question 87

Which of the following is Inexhaustible Natural Resources?

A   Air

B   Minerals

C   Forests

D   Coal

Answer: A

Question 88

According to Dr. Ambedkar which Article is the most important article of Indian constitution?

A   Article 21

B   Article 24

C   Article 32

D   Article 256

Answer: C

Question 89

How many seats are reserved for women in Municipality?

A   1/5

B   1/7

C   1/3

D   1/4

   Answer: C

Question 90

How is the nitrogen taken up by the plants?
I. In the form of inorganic nitrates or nitrites
II. In the form of organic compounds
III. Directly taken up from the atmosphere

A   Only I and II

B   Only I and III

C   Only II and III

D   All I, II and III

   Answer: A

Question 91

Which of the following relation is true regarding the amounts of genetic material contributed by the father and mother to the child?

A   Father >> Mother

B   Father << Mother

C   Father = Mother

D   No relation can be determined.

   Answer: C

Question 92

In August 2017, the Government of India decided to launch a new scheme named "AGEY". This new scheme is a part of the Deen Dayal Antyodaya Yojna - National Rural Livelihood Mission (DAY:NRLM). What does 'E' stand for in 'AGEY'?

A Enterprise

B Energy

C Express

D Engineering

Answer: C

Question 93

SARAS PT1N is how many seater passenger aircraft designed and developed by CSIR:NAL?

A 10

B 14

C 20

D 25

Answer: B

Question 94

What was the debt:to:GDP ratio for the Financial Year 2016:17?

A 60.40%

B 49.40%

C 50.40%

D 55.40%

Answer: B

Question 95

On 10 April 2017, Lok Sabha passed Constitution (123rd Amendment) Bill, 2017. The Bill seeks to give Constitutional Status to _____.

A National Human Rights Commission

B National Commission on Backward Classes

C   National Finance Commission

D   National Commission for Women

   Answer: B

Question 96

What is the heat generated (in J) in a heating element of resistance 900 Ω when a current of 0.3 A passes through it for 10 seconds?

A   2700

B   810

C   405

D   1350

   Answer: B

Question 97

As the object covers unequal distances in equal intervals of time, it is said to be in _____ motion.

A   uniform

B   linear

C   non:uniform

D   equilibrium

   Answer: C

Question 98

The day to day condition of the atmosphere at a place with respect to the temperature, humidity, rainfall, windspeed, etc., is called the _____ at that place.

A   climate

B   ecology

C   environment

D   weather

Answer: D

Question 99

Which of the statements given below are correct?
A) In 2017, Glenn Maxwell captained the IPL team Kings XI Punjab.
B) Roger Federer won the Table Tennis 2017 ITTF World Tour Grand Finals Men's Singles.
C) Bernhard Langer won the Golf 2017 Senior PGA Championship.

A Only A

B B and C

C A and C

D A and B

Answer: C

Question 100

In Microsoft Word, _____ provides information about the current document.

A Drawing tool bar

B View Button

C Status bar

D Tab stop

Answer: C

SSC CHSL 8 March 2018 Afternoon Shift

Quant

Instructions

For the following questions answer them individually

Question 1

Find the common factor of $(37^{57} + 43^{57})$ **and** (37^{37})

A (43 - 37)

B (43 + 37)

C $(37^{37} + 43^{37})$

D 10

   Answer: B

Question 2

Calculate the value of $\frac{61681 \times 61681 - 31681 \times 31681}{30000}$

A 93352

B 94362

C 93362

D 95362

   Answer: C

Explanation:

Expression = $\frac{61681 \times 61681 - 31681 \times 31681}{30000}$

= $\frac{(61681)^2 - (31681)^2}{30000}$

Using, $a^2 - b^2 = (a - b)(a + b)$

= $\frac{(61681 - 31681) \times (61681 + 31681)}{30000}$

= $\frac{30000 \times 93362}{10200} = 93362$

=> Ans - (C)

Question 3

For which value of 'g' the linear graph of 6x + 12y +9 = 0 and 2x + gy + 3 =0 has infinite number of solutions?

A 3

B 4

C 6

D 9

Answer: B

Explanation:

For the two equations to have infinite number of solutions, the two lines must overlap one another.

Lines having equation $a_1 x + b_1 y + c_1 = 0$ and $a_2 x + b_2 y + c_2 = 0$ are said to be collinear if $\frac{a_1}{a_2} = \frac{b_1}{b_2} = \frac{c_1}{c_2}$

Thus, for the equations : 6x + 12y + 9 = 0 and 2x + gy + 3 = 0

=> $\frac{6}{2} = \frac{12}{g} = \frac{9}{3}$

=> $\frac{12}{g} = 3$

=> $g = \frac{12}{3} = 4$

=> Ans - (B)

Question 4

What is the area (in square units) of the figure enclosed by the graphs of the lines x =-4, x = 2, y =-2 and y = 3?

A 12

B 24

C 30

D 60

Answer: C

Explanation:

Graph of lines : x =-4, x = 2, y =-2 and y = 3
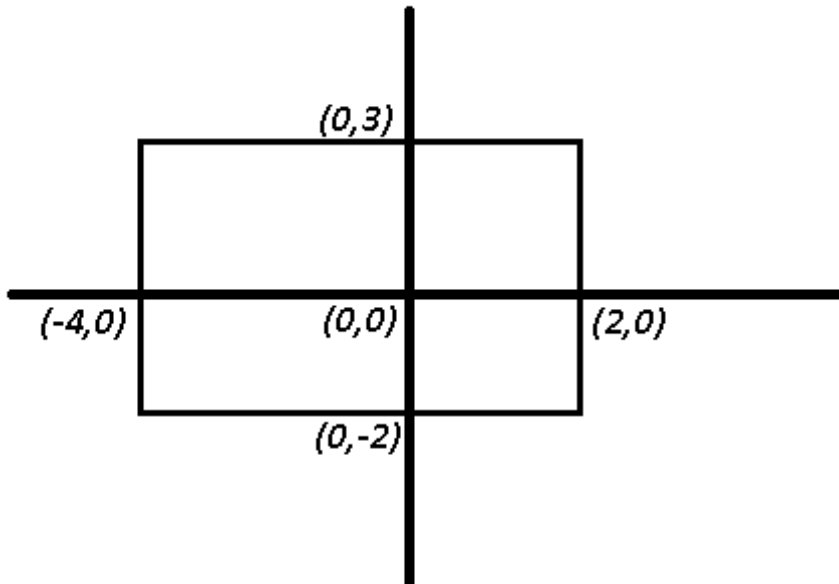
Thus, length of rectangle = $4 + 2 = 6$ units and breadth = $3 + 2 = 5$ units

=> Area = $6 \times 5 = 30$ sq.units

=> Ans - (C)

Question 5

AB is a chord of the circle and its center is "O". OM is perpendicular to AB. If the length of AB=20 cm, OM = $(2\sqrt{11})$ cm, find the radius (in cm) of the circle.

A 10

B 12

C 13

D 15

  Answer: B

Explanation:

Given : OM is perpendicular to AB and OM = $2\sqrt{11}$ cm

Also, MB = $\frac{20}{2} = 10$ cm

In right $\triangle$ MOB,

=> $(OB)^2 = (OM)^2 + (MB)^2$

=> $(OB)^2 = (2\sqrt{11})^2 + (10)^2$

=> $(OB)^2 = 44 + 100 = 144$

=> $OB = \sqrt{144} = 12$ cm

=> Ans - (B)

Question 6

The largest chord of the circle has a length of 20.4 cm. The radius of the circle will be _____.

A 10.2 cm
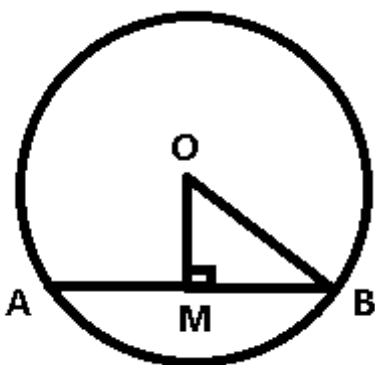
B greater than 10.2 cm

C greater than and equal to 10.2 cm

D less than 10.2 cm

   Answer: A

Explanation:
The largest chord of the circle is equal to the diameter of the circle = 20.4 cm

=> Radius = $\frac{20.4}{2} = 10.2$ cm

=> Ans - (A)

Question 7

Length and breadth of a rectangle are increased by 40% and 70% respectively. What will be the percentage increase in the area of rectangle?

A 118

B 110

C 138

D 128

   Answer: C

Explanation:
Let length and breadth of rectangle initially be 10 units

=> Area, $A = 10 \times 10 = 100$ sq.units

Length is increased by 40%, => New length = $10 + (\frac{40}{100} \times 10) = 14$ units

Similarly, new breadth = $10 + \left(\frac{70}{100} \times 10\right) = 17$ units

=> New area, $A' = 14 \times 17 = 238$ sq.units

$\therefore$ % increase in area = $\frac{(238-100)}{100} \times 100 = 138\%$

=> Ans - (C)

Question 8

Rs 6300 is divided among A, B and C in the ratio of 1/2: 1: 3/5. What is the share (in Rs) of B?

A 3300

B 2700

C 3000

D 4200

Answer: C

Explanation:

Total amount = Rs. 6300

Ratio of amount with A : B : C = $\frac{1}{2}$: 1 : $\frac{3}{5}$

=> Share of B = $\frac{1}{\left(\frac{1}{2}+1+\frac{3}{5}\right)} \times 6300$

= $\frac{10}{5+10+6} \times 6300$

= $10 \times 300 = Rs.\ 3000$

=> Ans - (C)

Question 9

U and V started a business by investing amounts Rs 184000 and Rs 224000 respectively. If U's share in the profit received at the end of year is Rs 20700, then what will be the total profit (in Rs) earned by them together?

A 43200

B 45900

C 52300

D 56400

Answer: B

Explanation:

Amount invested by U = Rs. 184,000

Amount invested by V = Rs. 224,000

Ratio of profits of U:V = $184000 : 224000$

$= 23 : 28$

Let profit earned by U and V be Rs. $23x$ and $28x$ respectively.

Acc to ques, => $23x = 20700$

=> $x = \frac{20700}{23} = 900$

$\therefore$ Total profit = $23x + 28x = 51 \times 900 = Rs.\,45,900$

=> Ans - (B)

Question 10

What is the average of first 19 odd numbers?

A 9.5

B 15.5

C 19

D 38

Answer: C

Explanation:
Sum of first n odd numbers = n^2

=> Sum of first 19 odd numbers = 19^2

=> Average = $\frac{19 \times 19}{19} = 19$

=> Ans - (C)

Question 11

A sum becomes Rs 1392 in 2 years and Rs 1488 in 3 years at simple interest. What is the rate (in percentage) of interest per annum?

A 8

B 10

C 12

D 8.5

Answer: A

Explanation:

Let sum = Rs. $100x$ and rate of interest = $r\%$

Amount after 2 years = Rs. 1392

=> Amount under simple interest = $P + \frac{P \times R \times T}{100}$

=> $100x + \frac{100x \times r \times 2}{100} = 1392$

=> $100x + 2rx = 1392$

=> $x(100 + 2r) = 1392$ ---------------(i)

Similarly, after 3 years, => => $100x + \frac{100x \times r \times 3}{100} = 1488$

=> $x(100 + 3r) = 1488$ ------------(ii)

Dividing equation (ii) by (i), we get :

=> $\frac{100 + 3r}{100 + 2r} = \frac{1488}{1392}$

=> $139200 + 4176r = 148800 + 2976r$

=> $4176r - 2976r = 100(1488 - 1392)$

=> $1200r = 100 \times 96$

=> $r = \frac{96}{12} = 8\%$

=> Ans - (A)

Question 12

Selling price of a table is Rs 2808. If profit percentage is 17%, then what is the cost price (in Rs) of table?

A 2288

B 2300

C 2400

D 3285

Answer: C

Explanation:

Selling price = Rs. 2808

Profit % = 17%

=> Cost price = $\frac{2808}{(100 + 17)} \times 100$

= $24 \times 100 = Rs. 2400$

=> Ans - (C)

Question 13

The marked price of a chair is 40% more than its cost price. If the chair is sold for Rs 520 after a discount of Rs 40, then what will be the profit percentage?

A 33

B 40

C 25

D 30

Answer: D

Explanation:

Let cost price = Rs. $100x$

=> Marked price = $100x + \left(\frac{40}{100} \times 100x\right) = Rs.\, 140x$

Selling price = Rs. 520

=> Discount amount = $140x - 520 = 40$

=> $140x = 40 + 520 = 560$

=> $x = \frac{560}{140} = 4$

Thus, cost price = $100 \times 4 = Rs.\, 400$

$\therefore$ Profit % = $\frac{(520-400)}{400} \times 100$

= $\frac{120}{4} = 30\%$

=> Ans - (D)

Question 14

Which of the following statement(s) is/are TRUE?
I. 2√3 > 3√2
II. 4√2 > 2√8

A Only I

B Only II

C Neither I nor II

D Both I and II

Answer: C

Explanation:

We know that $\sqrt{3} = 1.7$, $\sqrt{2} = 1.4$ and $\sqrt{8} = 2.8$

I) $2\sqrt{3} = 2 \times 1.7 \approx 3.4$

and $3\sqrt{2} = 3 \times 1.4 = 4.2$

=> $3\sqrt{2} > 2\sqrt{3}$

II) $4\sqrt{2} = 4 \times 1.4 \approx 2.8$

and $2\sqrt{8} = 2 \times 2.8 = 5.6$

=> $2\sqrt{8} > 4\sqrt{2}$

$\therefore$ Neither I and II are true.

=> Ans - (C)

Question 15

X, Y and Z can do a piece of work in 30, 40 and 50 days respectively. All three of them began the work together but Y left 4 days before completion of the work. In how many days was the work completed?

A 660/47

B 640/47

C 680/47

D 665/47

Answer: A

Explanation:

Let total work to be done = L.C.M. (30,40,50) = 600 units

X can do the work in 30 days, => X's efficiency = $\frac{600}{30} = 20$ units/day

=> Y's efficiency = $\frac{600}{40} = 15$ units/day

and Z's efficiency = $\frac{600}{50} = 12$ units/day

Let work was completed in x days, then X and Z work for x days and Y for $(x - 4)$ days

=> $20x + 15(x - 4) + 12x = 600$

=> $32x + 15x - 60 = 600$

=> $47x = 600 + 60 = 660$

=> $x = \frac{660}{47}$

$\therefore$ Work was completed in **660/47** days.

=> Ans - (A)

Question 16

A train is moving at the speed of 72 km/hr. How many seconds will it take to cover a distance of 1400 m ?

A 70

B 80

C 72

D 84

Answer: A

Explanation:
Speed of train = 72 km/hr = $\left(72 \times \frac{5}{18}\right) = 20$ m/s

Time taken to cover 1400 m = distance/speed

= $\frac{1400}{20} = 70$ seconds

=> Ans - (A)

Instructions

The pie chart shows the breakup of expenditure of a mining company for the year 2017. Study the diagram and answer the following questions.
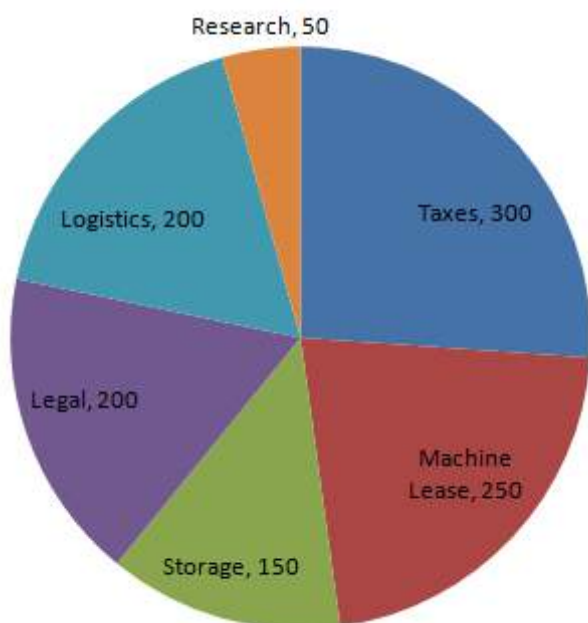
Question 17

The second highest expenditure is for which item?

A Labour

B Storage

C Legal

D Machine Lease

    Answer: D

Explanation:

The second highest expenditure is for **Machine Lease** = Rs. 250 lakhs

=> Ans - (D)

Question 18

What is the total expenditure (in Rs lakhs)?

A 1200

B 900

C 1000

D 1150

    Answer: D

Explanation:

Total expenditure (in Rs lakhs)

= 300 + 250 + 150 + 200 + 200 + 50

= 1150

=> Ans - (D)

Question 19

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

A 70

B 78.26

C 80

D 90

    Answer: B

Explanation:

Expenditure in Machine Lease (in Rs lakhs) = 250

Total expenditure (in Rs lakhs)

= 300 + 250 + 150 + 200 + 200 + 50 = 1150

=> Required central angle = $\frac{250}{1150} \times 360°$

= $\frac{5 \times 360°}{23} = 78.26°$

=> Ans - (B)

Question 20

Expenditure on Legal and Research constitute what percent of total expenditure?

A 10%

B 12%

C 7.5%

D 21.74%

Answer: D

Explanation:
Expenditure on Legal and Research (in Rs lakhs) = 200 + 50 = 250

Total expenditure (in Rs lakhs)

= 300 + 250 + 150 + 200 + 200 + 50 = 1150

=> Required % = $\frac{250}{1150} \times 100$

= $\frac{500}{23} = 21.739 \equiv 21.74\%$

=> Ans - (D)

Instructions
For the following questions answer them individually

Question 21

The length of the diagonal and the breadth of a rectangle are 17 cm and 8 cm respectively. Find its perimeter (in cm).

A 92

B 46

C 42

D 84

Answer: B

Explanation:

Let the length of rectangle = l cm and breadth, $b = 8$ cm

=> Diagonal, $d^2 = l^2 + b^2$

=> $l^2 = (17)^2 - (8)^2$

=> $l^2 = 289 - 64 = 225$

=> $l = \sqrt{225} = 15$ cm

$\therefore$ Perimeter = $2 \times (15 + 8) = 2 \times 23 = 46$ cm

=> Ans - (B)

Question 22

The area of a semicircle is 1925 cm2. Calculate its perimeter (in cm).

A 360

B 80

C 160

D 180

Answer: D

Explanation:

Let radius of the semi-circle = r cm

=> Area = $\frac{1}{2} \times \pi r^2$ =1925$$

=> $\frac{1}{2} \times \frac{22}{7} \times r^2 = 1925$

=> $r^2 = 1925 \times \frac{7}{11} = 1225$

=> $r = \sqrt{1225} = 35$ cm

$\therefore$ Perimeter = $\pi r + 2r$

= $\left(\frac{22}{7} \times 35 \right) + \left(2 \times 35 \right)$

= $110 + 70 = 180$ cm

=> Ans - (D)

Question 23

The surface area of a sphere is 5544 cm2. Find its diameter (in cm).

A 42

B 21

C 84

D 63

Answer: A

Explanation:
Let radius of sphere = r cm

=> Surface area of sphere = $4\pi r^2$

=> $4 \times \frac{22}{7} \times (r)^2 = 5544$

=> $r^2 = 5544 \times \frac{7}{88}$

=> $r^2 = 63 \times 7$

=> $r = \sqrt{7^2 \times 9} = 21$

$\therefore$ Diameter of sphere = $2 \times 21 = 42$ cm

=> Ans - (A)

Question 24

ΔABC is right angled at B. If m∠A = 45°, then find the value of (cosecC + 1/√3).

A (3√2+1)/3

B (2+√3)/2

C 5/√3

D (√6+1)/√3

Answer: D

Explanation:

Sum of angles of $\triangle$ ABC = $\angle A + \angle B + \angle C = 180°$

=> $45° + 90° + \angle C = 180°$

=> $\angle C = 180° - 135° = 45°$

To find : $\left(\cosec C + \frac{1}{\sqrt{3}}\right)$

= $\cosec(45°) + \frac{1}{\sqrt{3}}$

= $\sqrt{2} + \frac{1}{\sqrt{3}} = \frac{(\sqrt{6}+1)}{\sqrt{3}}$

=> Ans - (D)

Question 25

In ΔUVW measure of angle V is 90°. If cosecU = 13/12, and UV = 2.5cm, then what is the length (in cm) of side VW?

A 6.5

B 6

C 4

D 5.6

   Answer: B

Explanation:

Given : $\cosec U = \frac{13}{12}$

Also, $\cosec U = \frac{UW}{VW} = \frac{13}{12}$

Let UW = $13x$ cm and VW = $12x$ cm

Thus, in $\triangle$ UVW, => $(UV)^2 = (UW)^2 - (VW)^2$

=> $(UV)^2 = (13X)^2 - (12X)^2$

=> $(UV)^2 = 169x^2 - 144x^2 = 25x^2$

=> $UV = \sqrt{25x^2} = 5x$ cm

According to ques, => $5x = 2.5$

=> $x = \frac{2.5}{5} = \frac{1}{2}$

$\therefore$ VW = $12 \times \frac{1}{2} = 6$ cm

=> Ans - (B)

Reasoning

Question 26

In the following question, select the related word pair from the given alternatives.
Current: Ampere:: ?: ?

A   Air: Kilogram

B   Work: Joule

C   Pressure: Speed

D   Temperature : Metre

   Answer: B

Explanation:
Expression = Current: Ampere:: ?: ?

The second is the S.I. unit of the first, i.e. Ampere is the S.I. unit to measure current, similarly unit of Work is Joule.

=> Ans - (B)

Question 27

In the following question, select the related number from the given alternatives.
14: 16:: 22: ?

A   26

B   29

C   24

D   28

   Answer: C

Explanation:
Expression = 14: 16:: 22: ?

The pattern followed is = $x : (x + 2)$

Eg :- $14 : (14 + 2) = 14 : 16$

Similarly, $22 + 2 = 24$

=> Ans - (C)

Question 28

In the following question, select the related letter/letters from the given alternatives.
ART: BSU:: MRV: ?

A KFT

B NSW

C MFG

D NRV

   Answer: B

Explanation:

Expression = ART: BSU:: MRV: ?

The pattern followed is :

A	R	T
(+1)	(+1)	(+1)
B	S	U

Similarly, MRV : NSW

M	R	V
(+1)	(+1)	(+1)
N	S	W

=> Ans - (B)

Question 29

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

A Car

B Cycle

C Tyre

D Truck

   Answer: C

Explanation:

Car, cycle and truck are all means of transport and are categorized under vehicles, hence **tyre** is the odd one out.

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   10 - 121

B   12 - 169

C   14 - 225

D   16 - 279

Answer: D

Explanation:
If we add '1' to the first numbers and then take the square, we get :

$$(10 + 1)^2 = 121$$

$$(12 + 1)^2 = 169$$

$$(14 + 1)^2 = 225$$

$$(16 + 1)^2 = 289 \neq 279$$

=> Ans - (D)

Question 31

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

A   RTVX

B   GIKM

C   DFIK

D   LNPR

Answer: C

Explanation:
(A) : R (+2 letters) = T (+2 letters) = V (+2 letters) = X

(B) : G (+2 letters) = I (+2 letters) = K (+2 letters) = M

(C) : D (+2 letters) = F (**+3** letters) = I (+2 letters) = K

(D) : L (+2 letters) = N (+2 letters) = P (+2 letters) = R

=> Ans - (C)

Question 32

Arrange the given words in the sequence in which they occur in the dictionary.
1. Journey
2. Judge
3. Jingling
4. Jingle
5. Judgement

A 32541

B 53142

C 43125

D 15342

Answer: C

Explanation:

As per the order of dictionary :

= Jingle -> Jingling -> Journey -> Judge -> Judgement

≡ 43125

=> Ans - (C)

Question 33

In the following question, select the missing number from the given series.
11, 13, 16, 18, 21, ?

A 29

B 25

C 27

D 23

Answer: D

Explanation:
'2' and '3' are alternatively added.

11 + 2 = 13

13 + 3 = 16

16 + 2 = 18

18 + 3 = 21

21 + 2 = **23**

=> Ans - (D)

Question 34

A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.
IM, JO, KQ, LS, ?

A NV

B MU

C MY

D NT

Answer: B

Explanation:
Series : IM, JO, KQ, LS, ?

The pattern followed in each letter of the terms is :

1st letter : I (+1 letter) = J (+1 letter) = K (+1 letter) = L (+1 letter) = M

2nd letter : M (+2 letters) = O (+2 letters) = Q (+2 letters) = S (+2 letters) = U

Thus, missing term = **MU**

=> Ans - (B)

Question 35

In a row of boys, Punit's position from the left end is 33rd and Ankit's position from the right end is 25th. After interchanging their position, Punit's position becomes 45th from the left end. How many boys are there in the row?

A 70

B 71

C 69

D 74

Answer: C

Explanation:
Ankit's position from right = 25th

When Ankit goes to Punit's position, Punit's new position = 45th from left end = Ankit's original position

=> Total number of boys = $(25 + 45) - 1 = 69$

=> Ans - (C)

Question 36

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

A Heart

B Detain

C Treat

D Heated

   Answer: B

Explanation:
The word THREATENED does not contain any 'I', thus the term **Detain** cannot be formed.

=> Ans - (B)

Question 37

In a certain code language, "book is tough" is written as "fu la mi", "tough can easy" is written as "fu muk po" and "easy not book" is written as "ti po la". What is the code for "tough" in that code language?

A mi

B po

C la

D fu

   Answer: D

Explanation:
"book is tough" is written as "fu la mi"

"tough can easy" is written as "fu muk po"

The common word in above statements is 'tough' and the common code is = 'fu'

Thus, '*tough*' is coded as = '**fu**'

=> Ans - (D)

Question 38

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

2 - 12 + 10 x 5 ÷ 12 = ?

A   32

B   8

C   4

D   14

   Answer: D

Explanation:

Expression : 2 - 12 + 10 x 5 ÷ 12 = ?

$$\equiv 2 + 12 \times 10 \div 5 - 12$$

= $2 + (12 \times 2) - 12$

= $24 - 10 = 14$

=> Ans - (D)

Question 39

The following equation is incorrect. Which two signs should be interchanged to correct the equation?
1 ÷ 14 x 30 + 20 -10 = 12

A   ÷ and +

B   ÷ and x

C   x and -

D   + and -

   Answer: A

Explanation:

Expression : 1 ÷ 14 x 30 + 20 -10 = 12

(A) : ÷ and +

$$\equiv 1 + 14 \times 30 \div 20 - 10 = 12$$

L.H.S. = $1 + \left(\frac{14 \times 30}{20}\right) - 10$

= 1 + 21 − 10 = 12 = R.H.S.

=> Ans - (A)

Question 40

If 8*2 = 3, 14*18 = -2 and 18*2 = 8, then find the value of 14*10 = ?

A 2

B -5

C -2

D 6

    Answer: A

Explanation:
Given : 8*2 = 3, 14*18 = -2 and 18*2 = 8

If we replace '*' with '-', and divide the difference by 2, we get the desired result.

Eg :- $\frac{8-2}{2} = 3$

and $\frac{14-18}{2} = -2$ and $\frac{18-2}{2} = 8$

Similarly, $\frac{14-10}{2} = 2$

=> Ans - (A)

Question 41

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

XxXXXXX, XXxXXXX, XXXxXXX, XXXXxXX, XXXXXxX, _____.

A xXXXXXX

B XxXXXXX

C XXXXXXx

D XXxXXXX

    Answer: C

Explanation:
Expression : XxXXXXX, XXxXXXX, XXXxXXX, XXXXxXX, XXXXXxX, _____.

The pattern followed is that in each term there are 7 X's and in each term, there is one small 'x' starting from second position from left end and shifting one place to the right.

Thus, in the missing term, the last 'x' will be small = **XXXXXXx**

=> Ans - (C)

Question 42

An auto:rickshaw picks a passenger and travels North 6.5 km, then it turns to its left and rides for another 1.5 km, then it turns South and rides for 2.5 km, then it turns to its left and rides 1.5 km. Where is the auto now with respect to its starting position?

A   9 km North

B   4 km South

C   4 km North

D   9 km South

Answer: C

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: No bikes are two:wheelers
Statement II: All wheels are bikes
Conclusion I: No two:wheelers are wheels
Conclusion II: All wheels are two:wheelers

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: A

Question 44

In the following figure, rectangle represents Physicians, circle represents Floral designers, triangle represents Sculptors and square represents Americans. Which set of letters represents Americans who are either Floral designers or Sculptors?
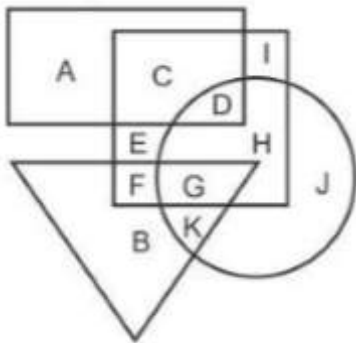
A FGDH

B FGK

C FHJD

D GK

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.
LOP, MPQ, NQR, ORS, ?

A QTU

B QST

C PST

D PTU

Answer: C

Explanation:
Series : LOP, MPQ, NQR, ORS, ?

The pattern followed in each letter of the terms is :

1st letter : L (+1 letter) = M (+1 letter) = N (+1 letter) = O (+1 letter) = P

2nd letter : O (+1 letter) = P (+1 letter) = Q (+1 letter) = R (+1 letter) = S

3rd letter : P (+1 letter) = Q (+1 letter) = R (+1 letter) = S (+1 letter) = T

Thus, missing term = **PST**

=> Ans - (C)

Question 46

In the following question, select the missing number from the given series.
10, 12, 14, 16, 18, ?

A 22

B 24

C 20

D 26

   Answer: C

Explanation:
'2' is added to all the numbers.

10 + 2 = 12

12 + 2 = 14

14 + 2 = 16

16 + 2 = 18

18 + 2 = **20**

=> Ans - (C)

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 (2, 3, 4)

B (4, 5, 6)

C (6, 7, 8)

D (4, 6, 8)

   Answer: D

Explanation:
The numbers are of the form : $(x, x + 1, x + 2)$

But in the last option, we have = $4 + 1 = 5 \neq 6$ and $4 + 2 = 6 \neq 8$

Thus, (4, 6, 8) 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?

A

B

C

D
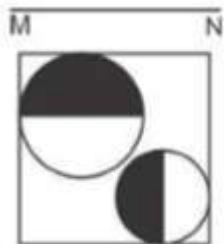
Answer: C

Question 49

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

A

B

C

D
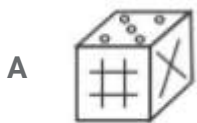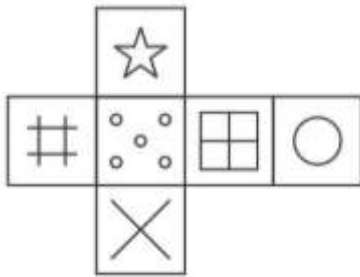
Answer: D

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·1 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 'W can be represented by 12,34 etc and 'Q' can be represented by 95,86 etc. Similarly, you have to identify the set for the word 'BURN'.

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

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

A 43,69,13,56

B 30,75,11,97

C 10,98,79,95

D 44,79,11,57

   Answer: C

Explanation:
(A) : 43,69,13,56 = IOFX

(B) : 30,75,11,97 = KYFS

(C) : 10,98,79,95 = **BURN**

(D) : 44,79,11,57 = KRFW

=> 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

She has (a)/ reduced her (b)/ consumption to considerably. (c)/ No error (d)

A She has

B reduced her

C consumption to considerably

D No error

   Answer: C

Question 52

Liquid water cannot exist on the surface of Mars as to low (a)/ atmospheric pressure, which is less than 1% of Earth's, (b)/ except at the lowest elevations for short periods. (c)/ No error (d)

A Liquid water cannot exist on the surface of Mars as to low

B atmospheric pressure, which is less than 1% of Earth's,

C except at the lowest elevations for short periods

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

That is _____ cars I know.

A the worst

B worst

C mostly worst

D one of the worst

Answer: D

Question 54

The _____ of many archaic and dilatory procedures have proved to be extremely damaging to our governance and society.

A caution

B translation

C imposition

D revolution

Answer: C

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

Curtail

A Prolong

B Downsize

C Lengthen

D Extend

Answer: B

Question 56

Inference

A Beginning

B Conclusion

C Preparation

D Discovery

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

Consensus

A Accord

B Discord

C Consent

D Unity

Answer: B

Question 58

Mould

A Genuine

B Shape

C Slice

D Sculpt

Answer: A

Instructions
For the following questions answer them individually

Question 59

Rearrange the parts of the sentence in correct order.
In developing countries today
P: urban health conditions
Q: than rural health conditions
R: seem to be better

A PRQ

B PQR

C QRP

D RPQ

Answer: A

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 workers are building the house.

A The house was being built by the workers.

B The house was built by the workers.

C The house is built by the workers.

D The house is being built by the workers.

Answer: D

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.
Sneha said to Arjun, "Go away."

A Sneha ordered Arjun to go away.

B Sneha asked Arjun that he should go away.

C Sneha say to Arjun to go away.

D Sneha inquired Arjun to go away.

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 Aggrression

B Aggrresion

C Aggression

D Agrresson

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.

When the kerosene burned, the fuel in the tank below would be _____ pressure, and _____ a small circular flame would appear in the burner. The valve had to be opened to let more kerosene vapour to the burner and pumping resumed. With the increase in pressure, the burner flame would spread _____ a loud noise. To lower the flame, the valve had to be_____ opened to reduce the pressure and then tightened until the desired flame size was achieved. _____ you wanted the flame to be bigger, you had to hit the piston again. Pump stoves are still in vogue.

Question 63

below would be _____ pressure

A inside

B into

C about

D under

Answer: D

Question 64

and _____ a small circular flame

A   slow

B   slowly

C   slower

D   slowest

  Answer: B

Question 65

would spread _____ a loud noise.

A   within

B   with

C   at

D   during

  Answer: B

Question 66

had to be _____ opened to reduce

A   partly

B   some

C   none

D   everything

  Answer: A

Question 67

was achieved. _____ you wanted the flame

A If

B Nor

C So

D Thus

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

A bone of contention

A The only part to which two arguing parties agree.

B An issue over which there is continuing disagreement.

C A very expensive inherited property.

D To be happy with only a few things.

Answer: B

Question 69

Zip your lip

A Keep quiet about something.

B To talk fast.

C To not think before speaking.

D The silence before a storm.

Answer: A

Instructions

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

Question 70

A military or political group that rules a country after taking power by force

A   Junta

B   Suffrage

C   Emancipation

D   Egalitarianism

Answer: A

Question 71

A person who lives outside his native country

A   Indigenous

B   Natal

C   Expatriate

D   Intrinsic

Answer: C

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

At the micro level, the dialectical process of development in India (has now heading) towards another direction.

A   had now heading

B   now heading

C   is now heading

D   no improvement

Answer: C

Question 73

I wondered what one would have thought some 40 years ago if you (had said) you could heat liquid using a plastic container.

A   having said

B   had say

C   have saying

D   no improvement

   Answer: D

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.

Cars were owned by
A: only a privileged few and
B: my class of society was
C: as yet untouched by it

A   ABC

B   CBA

C   CAB

D   BCA

   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   arogance

B   arroganse

C   aroganse

D   arrogance

General Awareness

Instructions

For the following questions answer them individually

Question 76

In which of the following types of economy are the factors of production owned individually?

A   Capitalist

B   Socialist

C   Mixed

D   Both Capitalist and Socialist

   Answer: A

Question 77

Which committee was set up to review the concept of the poverty line?

A   S Tendulkar Committee

B   Lakdawala Committee

C   Wanchoo Committee

D   Dutt Committee

   Answer: A

Question 78

Which of the following places presents the oldest evidence of Neolithic Era?

A   Chirnd

B   Mehrgarh

C   Burghome

D   Daimabad

Answer: B

Question 79

Which mosque is considered to be the style of Bengal style in Agra?

A   Nagina Masjid

B   Moti Masjid

C   Jama Masjid

D   Badshahi Masjid

Answer: A

Question 80

According to the distance of planets from the Sun, which of the following order is correct?

A   Mercury, Venus, Earth, Mars

B   Mercury, Earth, Mars, Venus

C   Mercury, Mars, Earth, Venus

D   Mercury, Mars, Venus, Earth

Answer: A

Question 81

How many states of India have sea shore ?

A   7

B   8

C   9

D   10

Answer: C

Question 82

Amir Khusrow was the disciple of whom?

A   Mirza Ghiyas Beg

B   Nizamuddin Auliya

C   Asadulla Beg

D   Sheikh Salim Chisti

Answer: B

Question 83

Which year has been set as goal for completing the Mumbai:Ahmedabad bullet train project operated with the help of Japan?

A   2022

B   2023

C   2024

D   2025

Answer: B

Question 84

Krishna Sobti is the recipient of the 53rd Jnanpith Award. Which of the following books has not been written by her?

A   Daar Se Bichhudi

B   Mitro Marjani

C   Zindaginama

D   Vishw Mithok Sarit Sagar

Answer: D

Question 85

Which of the following countries border does not touch China?

A Cambodia

B Laos

C Vietnam

D Myanmar

Answer: A

Question 86

Rayon is obtained from which among the following?

A Silk

B Wood pulp

C Wool

D Cotton

Answer: B

Question 87

Which of the following can be beaten and converted into thin sheets?

A Zinc

B Phosphorus

C Sulphur

D Oxygen

Answer: A

Question 88

Prime Minister of India is de:facto head of which of the following bodies?
I. NITI Aayog
II. National Integration Council
III. Indian Board of Wildlife

A Only I

B   Only II

C   Both II and III

D   All I, II and III

Answer: D

Question 89

Which type of city administration controls larger urban area?

A   Nagar Panchayat

B   Municipal Council

C   Municipal Corporation

D   No option is correct.

Answer: C

Question 90

Which among the following is NOT an event during the photosynthesis process?

A   Absorption of light energy by chlorophyll

B   Conversion of light energy to chemical energy

C   Splitting of water molecules into hydrogen and oxygen

D   Oxidation of carbon dioxide to carbohydrates

Answer: D

Question 91

The smallest blood vessels which are one:cell thick, are called _____.

A   vena cava

B   arteries

C   veins

D   capillaries

Answer: D

Question 92

In September 2017, who launched 'Pradhan Mantri LPG Panchayat Yojna'?

A   Narendra Modi

B   Dharmendra Pradhan

C   Piyush Goyal

D   R.K. Singh

Answer: B

Question 93

What are the names of the two identical long tailed macaques cloned by the Chinese Scientists?

A   Long Hong and Zhua Zhua

B   Zhong-Zhong and Hua Hua

C   Tailong and Shanua

D   Rongla and Shamone

Answer: B

Question 94

India was able to achieve the fiscal deficit target for the Financial Year 2016:17. It was how much percent of GDP?

A   3.50%

B   4.20%

C   3.00%

D   2.50%

Answer: A

Question 95

On 10 April 2017, Lok Sabha Passed the Motor Vehicles Act (Amendment) Bill,2016. Under the new provisions, the compensation for death increased from Rs 25,000 to _____.

A   Rs 2 lakh or more

B   Rs 5 lakh or more

C   Rs 10 lakh or more

D   Rs 15 lakh or more

Answer: A

Question 96

Find the current (in A) when a charge of 500 Coulomb flows in 25 seconds.

A   12500

B   20

C   40

D   6250

Answer: B

Question 97

During _____ motion of an object along a straight line, the velocity remains constant with time.

A   linear

B   translational

C   uniform

D   equilibrium

Answer: C

Question 98

The tropical region has generally a hot climate because of its location around the _____.

A   poles

B   southern hemisphere

C   high altitudes

D   equator

   Answer: D

Question 99

Which of the statements given below are correct?
A) United Arab Emirates hosted the Badminton 2017 BWF World Senior Championships.
B) Johanna Konta won the Tennis 2017 Miami Open Women's Singles.
C) Grigor Dimitrov won the Tennis 2017 US Open Men's Singles.

A   Only B

B   Only C

C   B and C

D   A, B and C

   Answer: A

Question 100

In Microsoft Word, under character formatting _____ is used to apply colors to the characters.

A   Font style

B   Font color

C   Effects

D   Size

   Answer: B

Staff Selection Commission
(Government Of India)

CANDIDATE NAME :

EXAM DATE : 8-March-2018
EXAM NAME : SSC Examination TOTAL
MARKS : 200

EXAM START TIME : 16:30:00 EXAM
DURATION : 01:00 Hrs TOTAL NO OF
QUESTIONS : 100

QID : 201 - 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'.

His assistance **(1)**/ wasn't happy **(2)**/ with his job. **(3)**/ No error **(4)**

Options:
1) 1
2) 2
3) 3
4) 4

Correct Answer: 1
Candidate Answer: [NOT ANSWERED]

QID : 202 - 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'.

A very first time I used the internet I was very intimidated, **(1)**/ and thought that anyone who could use **(2)**/ such an elaborate thing must be a genius. **(3)**/ No error **(4)**

Options:
1) 1
2) 2
3) 3
4) 4

Correct Answer: 1
Candidate Answer: [NOT ANSWERED]

QID : 203 - 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.

Neha told her an exciting _____.

Options:
1) essay
2) article
3) story
4) idiom

Correct Answer: story
Candidate Answer: story

QID : 204 - 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.

Your _____ and attitude rather than your position and possessions ultimately decide your success and happiness.

Options:
1) revolution
2) abrogation
3) disposition
4) adjuration

Correct Answer: disposition
Candidate Answer: disposition

QID : 205 - In the following question, out of the given four alternatives, select the one which best expresses the meaning of the given word.

Prudent

Options:
1) Unwise
2) Frugal
3) Careless
4) Improper

Correct Answer: Frugal
Candidate Answer: Frugal

QID : 206 - In the following question, out of the given four alternatives, select the one which best expresses the meaning of the given word.

Erroneous
Options:
1) Proper
2) Regretful
3) Dull
4) Invalid
Correct Answer: Invalid

Candidate Answer: Invalid

QID : 207 - In the following question, out of the given four alternatives, select the one which is opposite in meaning of the given word.

Obscene
Options:
1) Indecent
2) Immoral
3) Decent
4) Offensive
Correct Answer: Decent

Candidate Answer: Decent

QID : 208 - In the following question, out of the given four alternatives, select the one which is opposite in meaning of the given word.

Efficacious
Options:
1) Powerful
2) Useless
3) Successful l
4) Good
Correct Answer: Useless

Candidate Answer: [NOT ANSWERED]

QID : 209 - Rearrange the parts of the sentence in correct order.

The aim of platonic
P : into a God
Q : philosophy was to
R : exalt man
Options:
1) QPR
2) RPQ
3) PRQ
4) QRP
Correct Answer: QRP

Candidate Answer: QRP

QID : 210 - 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 cat teased the rat.
Options:
1) The rat is teased by the cat.
2) The rat was teased by the cat.
3) The rat got tease by the cat.
4) The rat was subject to teasing by the cat.
Correct Answer: The rat was teased by the cat.

Candidate Answer: The rat was teased by the cat.

QID : 211 - 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.

"Where do you come from?" asked the stranger.
Options:
1) The stranger enquired about my location.
2) The stranger enquired where I came from.
3) The stranger says where do I come from.
4) The stranger asked where did I came from
Correct Answer: The stranger enquired where I came from.

Candidate Answer: The stranger enquired where I came from.

QID : 212 - 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) Humourosu
2) Humorus
3) Hlumorous
4) Humorous

Correct Answer: Humorous

Candidate Answer: Humorus

QID : 213 - **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.**

Enterprising skill is the _____ of a teacher to see the perspective of the entire institution and the inter-relationships _____ and between its parts. It includes the ability of a teacher to visualise the academic pursuit _____ a holistic manner and consider a situation in totality. These skills involve _____ abstract and innovative ideas, constructing models and relationships, and anticipating the implications _____ actions.

Enterprising skill is the _____ of a teacher to see

Options:
1) able
2) ably
3) ability
4) capable

Correct Answer: ability

Candidate Answer: capable

QID : 214 - **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.**

Enterprising skill is the _____ of a teacher to see the perspective of the entire institution and the inter-relationships _____ and between its parts. It includes the ability of a teacher to visualise the academic pursuit _____ a holistic manner and consider a situation in totality. These skills involve _____ abstract and innovative ideas, constructing models and relationships, and anticipating the implications _____ actions.

inter-relationships _____ and between

Options:
1) among
2) through
3) for
4) from

Correct Answer: among

Candidate Answer: [NOT ANSWERED]

QID : 215 - **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.**

Enterprising skill is the _____ of a teacher to see the perspective of the entire institution and the inter-relationships _____ and between its parts. It includes the ability of a teacher to visualise the academic pursuit _____ a holistic manner and consider a situation in totality. These skills involve _____ abstract and innovative ideas, constructing models and relationships, and anticipating the implications _____ actions.

academic pursuit _____ a holistic manner

Options:
1) into
2) to
3) in
4) at

Correct Answer: in

Candidate Answer: into

QID : 216 - **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.**

Enterprising skill is the _____ of a teacher to see the perspective of the entire institution and the inter-relationships _____ and between its parts. It includes the ability of a teacher to visualise the academic pursuit _____ a holistic manner and consider a situation in totality. These skills involve _____ abstract and innovative ideas, constructing models and relationships, and anticipating the implications _____ actions.

These skills involve _____ abstract and innovative ideas

Options:
1) understanding
2) understand
3) understandable
4) understandably

Correct Answer: understanding

Candidate Answer: understandably

QID : 217 - **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.**

Enterprising skill is the _____ of a teacher to see the perspective of the entire institution and the inter-relationships _____ and between its parts. It includes the ability of a teacher to visualise the academic pursuit _____ a holistic manner and consider a situation in totality. These skills involve _____ abstract and innovative ideas, constructing models and relationships, and anticipating the implications _____ actions.

anticipating the implications _____ actions.

Options:
1) off
2) for
3) of
4) from
Correct Answer: of
Candidate Answer: for

QID : 218 - In the following question, out of the four alternatives, select the alternative which best expresses the meaning of the idiom/phrase.

At short notice

Options:
1) With little warning or time for preparation.
2) To ignore something important at your own peril.
3) To notice a small leak which can sink a ship.
4) Inform somebody that they are fired from a job.
Correct Answer: With little warning or time for preparation.
Candidate Answer: With little warning or time for preparation.

QID : 219 - In the following question, out of the four alternatives, select the alternative which best expresses the meaning of the idiom/phrase.

Alphabet soup

Options:
1) A beautiful poem.
2) A text which nourishes your soul.
3) A book that is close to your heart.
4) A confusing or confused mixture of things.
Correct Answer: A confusing or confused mixture of things.
Candidate Answer: A beautiful poem.

QID : 220 - In the following question, out of the four alternatives, select the alternative which is the best substitute of the words/sentence.

Have saliva dripping copiously from the mouth

Options:
1) Cascade
2) Inundate
3) Sluice
4) Slobber
Correct Answer: Slobber
Candidate Answer: [NOT ANSWERED]

QID : 221 - In the following question, out of the four alternatives, select the alternative which is the best substitute of the words/sentence.

Angry or bitter disagreement over fundamental issues

Options:
1) Accord
2) Strife
3) Amity
4) Affinity
Correct Answer: Strife
Candidate Answer: Strife

QID : 222 - 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".

In the early 1970s we **(had)** the kerosene stove.
Options:
1) have
2) has
3) has had
4) no improvement
Correct Answer: no improvement
Candidate Answer: no improvement

QID : 223 - 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".

Bonding with friends and extended family can be **(uplifted)**.
Options:
1) uplifts
2) uplifting
3) uplift
4) no improvement
Correct Answer: uplifting
Candidate Answer: no improvement

QID : 224 - 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.

On some easy days when I am at
A-home, we chat and she
B-more into her life
C-lets me peek a bit

Options:
1) ABC
2) CBA
3) CAB
4) ACB

Correct Answer: ACB

Candidate Answer: ACB

QID : 225 - In the following question, four words are given out of which one word is correctly spelt. Select the correctly spelt word.
Options:
1) raveshing
2) ravisheing
3) ravishing
4) ravesheing

Correct Answer: ravishing

Candidate Answer: raveshing

QID : 226 - In the following question, select the related word pair from the given alternatives.

Gun : Soldier : : ? : ?

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

बन्दूक : सैनिक : : ? : ?
Options:
1) Pen : Carpenter
कलम : बढ़ई
2) Plough : Surgeon
हल : शल्य-चिकित्सक
3) Chisel : Sculptor
छैनी : मूर्तिकार
4) Sword : Doctor
तलवार : चिकित्सक

Correct Answer: Chisel : Sculptor
छैनी : मूर्तिकार

Candidate Answer: Chisel : Sculptor
छैनी : मूर्तिकार

QID : 227 - In the following question, select the related number from the given alternatives.

43 : 70 : : 94 : ?

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

43 : 70 : : 94 : ?
Options:
1) 121

2) 134

3) 144

4) 169

Correct Answer: 121

Candidate Answer: 121

QID : 228 - In the following question, select the related letter/letters from the given alternatives.

FOT : GOW : : RID : ?

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

FOT : GOW : : RID : ?
Options:
1) RHG
2) AKP
3) SKG
4) LKN
Correct Answer: SKG
Candidate Answer: [NOT ANSWERED]

QID : 229 - 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) Crocodile
मगरमच्छ
2) Rat
चूहा
3) Snake
साँप
4) Lizard
छिपकली

Correct Answer: Rat
चूहा

Candidate Answer: Rat
चूहा

QID : 230 - 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) 14 − 196
2) 16 − 256
3) 12 − 144
4) 18 − 344

Correct Answer: 18 − 344

Candidate Answer: 18 − 344

QID : 231 - 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) LNPR
2) KMOQ
3) FHIK
4) TVXZ

Correct Answer: FHIK

Candidate Answer: FHIK

QID : 232 - Arrange the given words in the sequence in which they occur in the dictionary.

1. Radiant
2. Racial
3. Raider
4. Ramble
5. Radical

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

1. Radiant
2. Racial
3. Raider
4. Ramble
5. Radical

Options:
1) 53241
2) 12543
3) 21534
4) 23541

Correct Answer: 21534

Candidate Answer: 21534

QID : 233 - In the following question, select the missing number from the given series.

19, 25, 32, 38, 45, 51, ?

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

19, 25, 32, 38, 45, 51, ?

Options:
1) 58
2) 59
3) 62
4) 64

Correct Answer: 58

Candidate Answer: 58

QID : 234 - A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.

UMP, SKN, QIL, OGJ, ?

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।

UMP, SKN, QIL, OGJ, ?
Options:
1) RHF
2) MFG
3) MEH
4) NEH
Correct Answer: MEH
Candidate Answer: MEH

QID : 235 - K is 5 years older to H. H is 3 years younger to R. R is 6 years older to C. C is 7 years younger to L. Who is the eldest?

K, H से 5 वर्ष बड़ा है। H, R से 3 वर्ष छोटा है। R, C से 6 वर्ष बड़ा है। C, L से 7 वर्ष छोटा है। सबसे बड़ा कौन है?

Options:
1) H
2) K
3) R
4) L
Correct Answer: K
Candidate Answer: K

QID : 236 - From the given alternatives, select the word which **CANNOT** be formed using the letters of the given word.

Relationship

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

Relationship
Options:
1) Ship
2) Late
3) Reserve
4) Last
Correct Answer: Reserve
Candidate Answer: Reserve

QID : 237 - In a certain code language, **"PRIME"** is written as **"VNRIK"**. How is **"MICRO"** written in that code language?

एक विशिष्ट कोड भाषा में, **"PRIME"** को **"VNRIK"** लिखा जाता है। इस कोड भाषा में **"MICRO"** को किस प्रकार लिखा जाएगा?

Options:
1) LIXRN
2) NRILV
3) VPQAN
4) NPVQR
Correct Answer: LIXRN
Candidate Answer: [NOT ANSWERED]

QID : 238 - In a certain code language, '-' represents 'x', '÷' represents '+', '+' represents '÷' and 'x' represents '-'. Find out the answer to the following question.

160 + 8 x 30 ÷ 4 - 6 = ?

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

160 + 8 x 30 ÷ 4 - 6 = ?
Options:
1) 42
2) 14
3) 5
4) 17
Correct Answer: 14
Candidate Answer: 14

QID : 239 - The following equation is incorrect. Which two signs should be interchanged to correct the equation?

13 - 14 ÷ 30 x 7 + 15 = 13

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

13 - 14 ÷ 30 x 7 + 15 = 13

Options:
1) + and ÷
+ और ÷
2) - and +
- और +
3) ÷ and x
÷ और x
4) x and -
x और -
Correct Answer: + and ÷
+ और ÷
Candidate Answer: + and ÷
+ और ÷

QID : 240 - If 18α1 = 34, 19α2 = 34 and 18α3 = 30, then find the value of 18α8 = ?

यदि 18α1 = 34, 19α2 = 34 और 18α3 = 30, तो 18α8 का मान ज्ञात करें।

Options:
1) 6
2) 16
3) 20
4) 8
Correct Answer: 20
Candidate Answer: [NOT ANSWERED]

QID : 241 - Which of the following terms follows the trend of the given list?

AAAAAAA, BAAAAAA, BBAAAAA, BBBAAAA, BBBBAAA, _____.

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

AAAAAAA, BAAAAAA, BBAAAAA, BBBAAAA, BBBBAAA, _____.
Options:
1) BBBBBBA

2) BBBBBAA

3) AAAAAAA

4) BAAAAAA
Correct Answer: BBBBBAA
Candidate Answer: BBBBBAA

QID : 242 - An office worker walks 4 km East from his home to reach a taxi-stand. He catches a taxi from there which goes 10 km South, then the taxi turns right and goes a further 15 km. Here he gets down and takes a bus. This bus travels 2 km North, then travels 3 km West then it turns to its right and travels 8 km to reach the man's office. Where is this man's office with respect to his home?

एक कार्यकर्ता टैक्सी स्टैंड पर पहुंचने के लिए अपने घर से पूर्व की तरफ 4 कि.मी. चलता है। वह वहां से एक टैक्सी पकड़ता है जो दक्षिण में 10 कि.मी. तक जाती है, फिर वह टैक्सी अपने दाहिनी तरफ मुड़ती है और आगे 15 कि.मी. जाती है। यहां वह नीचे उतरता है और एक बस लेता है। यह बस उत्तर की तरफ 2 कि.मी. की यात्रा करती है, फिर 3 कि.मी. पश्चिम की तरफ यात्रा करती है, फिर यह अपने दाहिनी ओर मुड़ जाती है और आदमी के कार्यालय तक पहुंचने के लिए 8 कि.मी. की यात्रा करती है। अपने घर के संदर्भ में इस आदमी का कार्यालय कहां है?
Options:
1) 22 km West
22 कि.मी. पश्चिम
2) 14 km East
14 कि.मी. पूर्व
3) 14 km West
14 कि.मी. पश्चिम
4) 22 km East
22 कि.मी. पूर्व
Correct Answer: 14 km West
14 कि.मी. पश्चिम
Candidate Answer: 14 km West
14 कि.मी. पश्चिम

QID : 243 - 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 buttons are switches
Statement II: All buttons are connectors

Conclusion I: Some switches are connectors
Conclusion II: Some connectors are buttons

प्रश्न में दो कथन दिये गये हैं जिसके आगे दो निष्कर्ष I और II निकाले गये हैं। आपको मानना है कि दोनो कथन सत्य है चाहे वह सामान्यत: 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: कुछ बटन स्विच होते हैं
कथन II: सभी बटन कनेक्टर्स होते हैं

निष्कर्ष I: कुछ स्विच कनेक्टर्स होते हैं
निष्कर्ष II: कुछ कनेक्टर्स बटन 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: Both conclusions I and II follow
दोनों निष्कर्ष I और II सही है

Candidate Answer: Both conclusions I and II follow
दोनों निष्कर्ष I और II सही है

QID : 244 -

In the following figure, rectangle represents Doctors, circle represents Cartoonists, triangle represents Potters and square represents Boxers. Which set of letters represents Boxers who are not Cartoonists?

निम्नलिखित आकृति में, आयत डॉक्टरों को प्रदर्शित करता है, वृत्त कार्टूनिस्ट को प्रदर्शित करता है, त्रिभुज पॉटर्स को प्रदर्शित करता है और वर्ग बॉक्सर्स को प्रदर्शित करता है। अक्षरों का कौन सा समूह उन बॉक्सर्स को प्रदर्शित करता है जो कार्टूनिस्ट नहीं है?
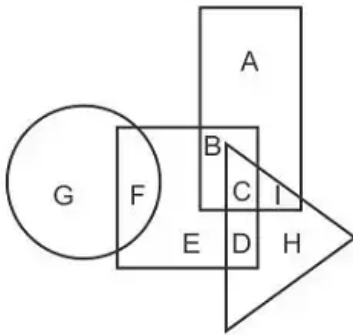
Options:
1) F

2) BCDE

3) E

4) BCD

Correct Answer: BCDE

Candidate Answer: BCDE

QID : 245 - A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.

WAX, YED, AIJ, CMP, ?

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।

WAX, YED, AIJ, CMP, ?
Options:
1) ERU

2) EQV

3) DQV

4) DRU
Correct Answer: EQV
Candidate Answer: EQV

QID : 246 - In the following question, select the missing number from the given series.

57, 69, 81, 93, ?, 117

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

57, 69, 81, 93, ?, 117
Options:
1) 104

2) 105

3) 111

4) 108
Correct Answer: 105
Candidate Answer: 105

QID : 247 - 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) (9, 11, 14)
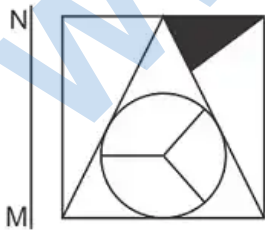**2**) (13, 15, 18)
3) (17, 19, 22)
4) (21, 23, 28)
Correct Answer: (21, 23, 28)
Candidate Answer: (21, 23, 28)

QID : 248 -
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:
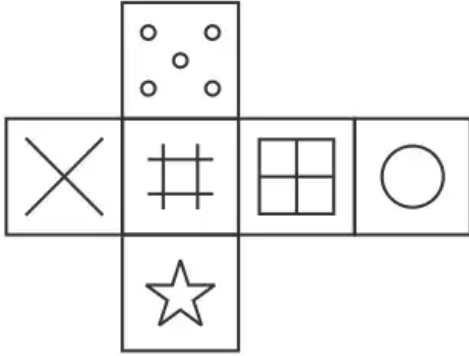1)

2)

3)

4)

Correct Answer:

Candidate Answer:

QID : 249 -

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?
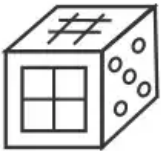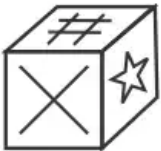

Options:

1)

2)

3)

4)

Correct Answer:

Candidate Answer:

QID : 250 -

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 'K' can be represented by 24, 32 etc and 'X' can be represented by 57, 98 etc. Similarly, you have to identify the set for the word 'WELD'.

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। उदहारण के लिए 'K' को 24, 32 आदि द्वारा दर्शाया जा सकता है तथा 'X' को 57, 98 आदि द्वारा दर्शाया जा सकता है। इसी तरह से आपको प्रश्न में दिए शब्द 'WELD' के लिए समूह को पहचानना है।

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

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

Options:
1) 41,56,44,55

2) 33,78,44,99

3) 40,88,11,95

4) 55,33,41,40
Correct Answer: 55,33,41,40
Candidate Answer: 55,33,41,40

QID : 251 -

Simplify: $\dfrac{0.1 \times 0.1 \times 0.1 + 0.3 \times 0.3 \times 0.3}{0.3 \times 0.3 - 0.3 \times 0.1 + 0.1 \times 0.1}$

सरल बनाएं: $\dfrac{0.1 \times 0.1 \times 0.1 + 0.3 \times 0.3 \times 0.3}{0.3 \times 0.3 - 0.3 \times 0.1 + 0.1 \times 0.1}$

Options:
1) 0.09

2) 0.03

3) 0.05

4) 0.04
Correct Answer: 0.04
Candidate Answer: 0.04

QID : 252 -

Find the value of $\left[6\left(8^{\frac{1}{3}} + 64^{\frac{1}{3}} \right)^3 \right]^{\frac{1}{4}}$.

$\left[6\left(8^{\frac{1}{3}} + 64^{\frac{1}{3}} \right)^3 \right]^{\frac{1}{4}}$ के मान का पता लगाएं।

Options:

1) 5

2) 6

3) 36

4) 216

Correct Answer: 6

Candidate Answer: 6

QID : 253 - Determine the value of 'r' for which the equation 13x + 5 = rx + 18 has no solution.

'r' का मान निर्धारित करें जिसके लिए समीकरण 13x + 5 = rx +18 का कोई समाधान नहीं है।

Options:
1) 0
2) 5
3) 13
4) 18

Correct Answer: 13

Candidate Answer: [NOT ANSWERED]

QID : 254 -

What is the value of $\left(2^3 + 5^2 \right)\left(5^2 - 2^3 \right)$?

$\left(2^3 + 5^2 \right)\left(5^2 - 2^3 \right)$ का मान क्या है?

Options:
1) 9

2) 49

3) 561

4) 571

Correct Answer: 561

Candidate Answer: 561

QID : 255 - If a triangle has its orthocenter and centroid of equal length, then which of the following is **TRUE** about the triangle?

यदि एक त्रिभुज में बराबर लंबाई का केन्द्रक और लम्बकेंद्र है, तो निम्न में से कौन सा त्रिभुज के बारे में **सही** है?

Options:
1) Right angled
समकोण
2) Equilateral
समतुल्य
3) Scalene
विषमबाहु
4) Obtuse angled
अधिक कोण

Correct Answer: Equilateral
समतुल्य

Candidate Answer: Equilateral
समतुल्य

QID : 256 - If the side AB of an equilateral triangle ABC is equal to 12 cm. Calculate the length(in cm) of the AO, if O is the centroid of the triangle.

अगर समबाहु त्रिभुज ABC में भुजा AB, 12 सेमी के बराबर है। तो AO की लंबाई की गणना (सेमी में) करें, यदि O त्रिभुज का केंद्रक है।

Options:
1) 2√3
2) 3√3
3) 4√3
4) 9√3
Correct Answer: 4√3
Candidate Answer: 4√3

QID : 257 - If A = 400 and B = 600, then A is how much percentage less than B?

यदि A = 400 तथा B = 600 हैं, तो A, B से कितना प्रतिशत कम है?

Options:
1) 50
2) 66.66
3) 33.33
4) 25
Correct Answer: 33.33
Candidate Answer: 33.33

QID : 258 - The ratio of two numbers is 2 : 3. If the sum of both the numbers is 75, then what is the larger number among both the numbers?

दो संख्याओं का अनुपात 2 : 3 हैं। यदि दोनों संख्याओं का योग 75 है, तो दोनों संख्याओं में से बड़ी संख्या क्या है?

Options:
1) 45
2) 30
3) 50
4) 48
Correct Answer: 45
Candidate Answer: 45

QID : 259 - Mohit and Anshu invested some money in a business in the ratio 8 : 15 respectively. After 9 months Mohit withdraws his capital. If they receive profits in the ratio 4 : 5, then for how many months did Anshu invest in the business?

मोहित तथा अंशु ने एक व्यापार में क्रमशः 8 : 15 के अनुपात में कुछ राशि निवेश की। 9 महीने के बाद मोहित अपनी पूँजी वापस निकाल लेता है। यदि उन्हें 4 : 5 के अनुपात में लाभ प्राप्त होता है, तो अंशु ने कितने महीनें के लिए व्यापार में निवेश किया?

Options:
1) 4
2) 5
3) 8
4) 6
Correct Answer: 6
Candidate Answer: 6

QID : 260 - If 23x + 23y = 184, then what is the average of x and y?

यदि 23x + 23y = 184 है, तो x तथा y का औसत क्या है?

Options:
1) 2
2) 4
3) 3
4) 2.5
Correct Answer: 4
Candidate Answer: 4

QID : 261 - An equal sum is invested in two different schemes. One scheme gives simple interest and the other gives compound interest (annual compounding). The sum of interest obtained after 2 years from both the schemes is Rs 2961. If both schemes have 23% per annum interest rate, then what is the first year interest (in Rs) of simple interest scheme?

एक समान धनराशि को दो अलग-अलग योजनाओं में निवेश किया गया है। एक योजना साधारण ब्याज तथा दूसरी चक्रवृद्धि ब्याज (वार्षिक संयोजन) देती है। 2 वर्ष पश्चात दोनों योजनाओं से प्राप्त ब्याज का योग 2961 रु है। यदि दोनों योजनाओं में 23% प्रति वर्ष की ब्याज दर है, तो साधारण ब्याज वाली योजना का पहले वर्ष का ब्याज (रु में) कितना है?

Options:
1) 500
2) 1100
3) 700
4) 900
Correct Answer: 700
Candidate Answer: [NOT ANSWERED]

QID : 262 - Selling price of a watch is Rs 966 and profit percentage is 15%. If selling price is Rs 798, then what will be the loss percentage?

एक घड़ी का विक्रय मूल्य 966 रु है तथा लाभ प्रतिशत 15% है। यदि विक्रय मूल्य 798 रू है, तो हानि प्रतिशत क्या होगा?

Options:
1) 5
2) 8
3) 7.21
4) 6.26

Correct Answer: 5

Candidate Answer: 5

QID : 263 - A shopkeeper wants to earn 33% profit on an article after offering 30% discount. By how much percentage more he should mark the price of his article above cost price?

एक दुकानदार एक वस्तु पर 30% छूट देने के पश्चात 33% लाभ कमाना चाहता है। उसे अपनी वस्तु के मूल्य को क्रय मूल्य से कितने प्रतिशत अधिक अंकित करना चाहिए?

Options:
1) 90
2) 63
3) 69
4) 72

Correct Answer: 90

Candidate Answer: 90

QID : 264 -

What is the value of $\sqrt{473 + \sqrt{529} + \sqrt{256} + \sqrt{289}}$?

$\sqrt{473 + \sqrt{529} + \sqrt{256} + \sqrt{289}}$ का मान क्या है?

Options:
1) 27

2) 23

3) 19

4) 39

Correct Answer: 23

Candidate Answer: 23

QID : 265 - Two taps X and Y can fill a tank in 15 hours and 20 hours respectively. If the two taps are opened at 2 p.m., then at what time (in p.m.) should the tap X be closed to completely fill the tank at exactly 2 a.m.?

दो नल X तथा Y, एक टंकी को क्रमश: 15 तथा 20 घंटे में भर सकते हैं। यदि दोनों नलों को 2 अपराह्न (पी. एम.) पर खोल दिया जाए, तो ठीक 2 पूर्वाह्न (ऐ. एम.) पर टंकी को पूरा भरने के लिए नल X को कितने बजे (अपराह्न (पी. एम.) में) बंद कर देना चाहिए?

Options:
1) 8
2) 7
3) 9
4) 10

Correct Answer: 8

Candidate Answer: 8

QID : 266 - If Ram walks at the speed of 3 km/hr, then he reaches his school 6 minutes late but if he walks at the speed of 4 km/hr, then he reaches 4 minutes before the scheduled time. What is the distance (in km) of his school from his house?

यदि राम 3 कि.मी./घंटा की गति से चलता है, तो वह अपने विद्यालय 6 मिनट देरी से पहुँचता है, परंतु यदि वह 4 कि.मी./घंटा की गति से चलता है, तो वह निर्धारित समय से 4 मिनट पहले पहुँच जाता है। उसके घर से उसके विद्यालय की दूरी (कि.मी. में) क्या है?

Options:
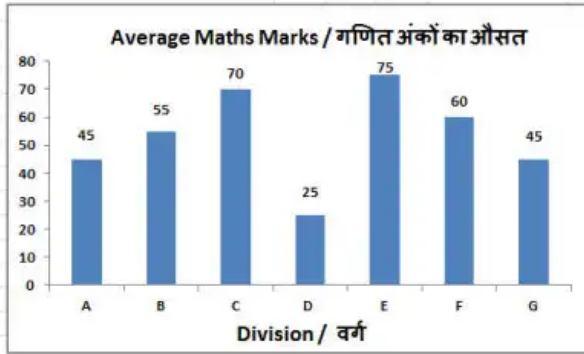**1**) 1.8
2) 2
3) 3.5
4) 4

Correct Answer: 2

Candidate Answer: 2

QID : 267 -

The bar graph shows average marks scored in a 100 marks Maths 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 गणित 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 marks?

किस वर्ग ने दूसरे सर्वाधिक अंक प्राप्त किये हैं?

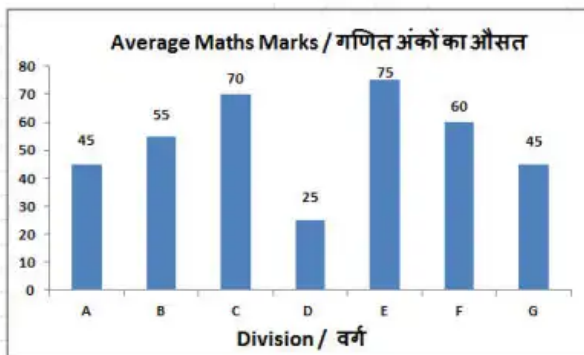**Options:**
1) E
2) B
3) C
4) G

Correct Answer: C

Candidate Answer: C

QID : 268 -

The bar graph shows average marks scored in a 100 marks Maths 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 गणित 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 E to Division B?

वर्ग E और वर्ग B के द्वारा किये गए औसत अंकों का अनुपात क्या है?

Options:
1) 11 : 15
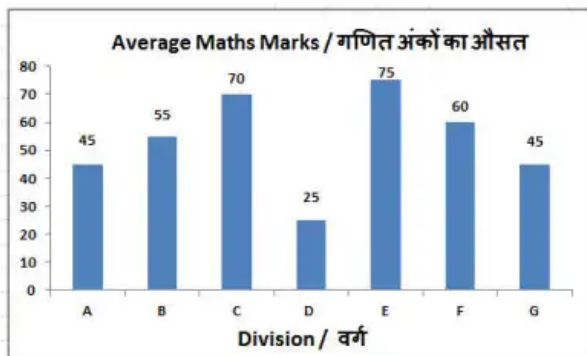**2)** 4 : 5
3) 15 : 11
4) 5 : 4
Correct Answer: 15 : 11
Candidate Answer: 15 : 11

QID : 269 -

The bar graph shows average marks scored in a 100 marks Maths 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 गणित की परीक्षा में प्राप्त किये गये औसत अंक दर्शाता है। इस आरेख का अध्ययन करें और निम्नलिखित प्रश्नों के उत्तर दें।

Average marks of division C were lesser than that of division E by _____

वर्ग C के औसत अंक वर्ग E के मुकाबले _____ कम थे।

Options:
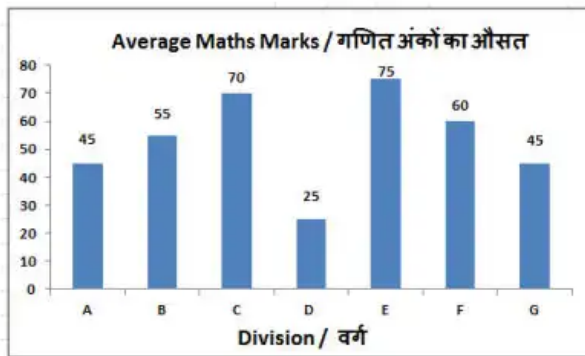**1)** 10%
2) 5%
3) 6.67%
4) 7.77%
Correct Answer: 6.67%
Candidate Answer: 7.77%

QID : 270 -

The bar graph shows average marks scored in a 100 marks Maths 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 गणित 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 D got bonus 5 marks each their new average marks would increase by how much?

यदि वर्ग D के सभी छात्रों को बोनस के 5 अंक मिलते हैं, तो उनके नए औसत अंक कितने अंकों से बढ़ जायेंगे?

Options:
1) 15%
2) 25%
3) 5%
4) 20%
Correct Answer: 20%

Candidate Answer: 20%

QID : 271 - The perimeter and the length of one of the diagonals of a rhombus is 34 cm and 8 cm respectively. Find the length of its other diagonal (in cm).

एक समचतुर्भुज की परिमाप और एक विकर्ण की लंबाई क्रमशः 34 सें.मी. और 8 सें.मी. है। इसके अन्य विकर्ण की लंबाई (सें.मी. में) ज्ञात करें।

Options:
1) 7.5
2) 30
3) 22.5
4) 15
Correct Answer: 15
Candidate Answer: [NOT ANSWERED]

QID : 272 - Find the perimeter (in cm) of a semicircle of radius 14 cm.

14 सें.मी. त्रिज्या वाले एक अर्धवृत्त की परिमाप (सें.मी. में) ज्ञात करें।

Options:
1) 144
2) 46
3) 72
4) 92
Correct Answer: 72

Candidate Answer: 72

QID : 273 - The volume of a cube is 166.375 cm^3. Find its side (in cm).

एक घन का आयतन 166.375 घन सें.मी. है। इसकी भुजा (सें.मी. में) ज्ञात करें।

Options:
1) 6.5
2) 4.5
3) 7.5
4) 5.5
Correct Answer: 5.5

Candidate Answer: [NOT ANSWERED]

QID : 274 - What is the value of (cos45° + 1/3) ?

(cos45° + 1/3) का मान क्या है?

Options:
1) 2+√3
2) (2√2+1)/√2
3) (3+√2)/3√2
4) 5/√3
Correct Answer: (3+√2)/3√2
Candidate Answer: (3+√2)/3√2

QID : 275 - ΔDEF is right angled at E. If cosD = 8/17, then what is the value of secF ?

ΔDEF में E पर समकोण है। यदि cosD = 8/17, तो secF का मान क्या है?

Options:
1) 17/8
2) 8/17
3) 17/15
4) 15/17
Correct Answer: 17/15
Candidate Answer: 17/15

QID : 276 - The best solution for overcoming the evil effects of small and uneconomic holdings is: _____.

छोटे और अनार्थिक जोत के बुरे प्रभावों पर काबू पाने के लिए सबसे अच्छा समाधान है: _____।

Options:
1) urbanization of rural population
ग्रामीण जनसंख्या का शहरीकरण
2) using capital intensive technology
पूंजी गहन प्रौद्योगिकी का उपयोग
3) co-operative farming
सहकारी खेती
4) rapid industrialization
तीव्र औद्योगिकीकरण
Correct Answer: co-operative farming
सहकारी खेती
Candidate Answer: [NOT ANSWERED]

QID : 277 - Economic liberalization in India started with _____.

भारत में आर्थिक उदारीकरण _____ के साथ शुरू हुआ।

Options:
1) substantial changes in industrial licensing policy
औद्योगिक लाइसेंसिंग नीति में पर्याप्त बदलाव
2) convertibility of Indian rupee
भारतीय रुपए की परिवर्तनीयता
3) doing away with procedural formalities for foreign direct investment
विदेशी प्रत्यक्ष निवेश के लिए प्रक्रियात्मक औपचारिकताएं समाप्त करना
4) significant reduction in tax rates
कर दरों में महत्वपूर्ण कमी
Correct Answer: substantial changes in industrial licensing policy
औद्योगिक लाइसेंसिंग नीति में पर्याप्त बदलाव
Candidate Answer: [NOT ANSWERED]

QID : 278 - Which of the following elements were not found in Lothal as archaeological remains?

निम्न में से कौन-सा तत्व पुरातात्विक अवशेष के रूप में लोथल से नहीं पाये गये?

Options:
1) Couple Burial
युगल शवाधान
2) Persian seals
फारस की मुहरें
3) Harbour
बंदरगाह
4) Fine variety of barley
उत्तम किस्म के जौ
Correct Answer: Fine variety of barley
उत्तम किस्म के जौ
Candidate Answer: Fine variety of barley
उत्तम किस्म के जौ

QID : 279 - Which ruler of Bengal gave a portion of Orissa to the Marathas?

बंगाल के किस शासक ने उड़ीसा का एक भाग मराठों को दे दिया?

Options:
1) Shaista Khan
शाइस्ता खां
2) Murshid Kuli Khan
मुर्शीद कुली खां
3) Alivardi Khan
अलीवर्दी खां
4) Sirajuddaula
सिराजुद्दौला

Correct Answer: Alivardi Khan
अलीवर्दी खां

Candidate Answer: Sirajuddaula
सिराजुद्दौला

QID : 280 - In which of the following region midnight Sun is visible?

मध्य रात्रि का सूर्य इनमें से किस क्षेत्र में दिखायी देता है?

Options:
1) In Mediterranean region
भूमध्यसागरीय क्षेत्र में
2) In equatorial region
भूमध्यरेखीय क्षेत्र में
3) In Arctic area
आर्कटिक क्षेत्र में
4) In the east of Japan
जापान से पूर्व में

Correct Answer: In Arctic area
आर्कटिक क्षेत्र में

Candidate Answer: [NOT ANSWERED]

QID : 281 - Which separates the mainland of India from Rameswaram Island?

भारत की मुख्य भूमि को रामेश्वरम द्वीप से कौन अलग करता है?

Options:
1) Palk Strait
पाक जलसंधि
2) Pamban channel
पम्बन चैनल
3) Ten degree channel
दस डिग्री चैनल
4) Nine degree channels
नौ डिग्री चैनल

Correct Answer: Pamban channel
पम्बन चैनल

Candidate Answer: Pamban channel
पम्बन चैनल

QID : 282 - Who the following told, "Hunuz Dilli dur ast" (Delhi is still far away)?

इनमें से किसने कहा था, "हुनुज़ दिल्ली दूर अस्त" (दिल्ली अभी दूर) है?

Options:
1) Amir Khusrow
अमीर खुसरो
2) Nizamuddin Auliya
निजामुद्दीन औलिया
3) Yahya Sirhindi
याहिया सरहिंदी
4) Moinuddin Chisti
मोईनुद्दीन चिश्ती

Correct Answer: Nizamuddin Auliya
निजामुद्दीन औलिया

Candidate Answer: Nizamuddin Auliya
निजामुद्दीन औलिया

QID : 283 - Which of the following country is a part of the South Asian Free Trade Area (SAFTA)?

निम्नलिखित में से कौन-सा देश दक्षिण एशियाई मुक्त व्यापार क्षेत्र (साफ्टा) का हिस्सा है?

Options:
1) China
चीन
2) Japan
जापान
3) Mayanmar
म्यांमार
4) Sri Lanka
श्रीलंका

Correct Answer: Sri Lanka
श्रीलंका

Candidate Answer: [NOT ANSWERED]

QID : 284 - Dronacharya award is given for excellence in which of the following fields?

द्रोणाचार्य पुरस्कार निम्नलिखित किस क्षेत्र में श्रेष्ठता के लिए दिया जाता है?

Options:
1) Sports
खेल
2) Gallantry
वीरता
3) Coaching in sports
खेल में प्रशिक्षण
4) Social work
सामाजिक कार्य

Correct Answer: Coaching in sports
खेल में प्रशिक्षण

Candidate Answer: Coaching in sports
खेल में प्रशिक्षण

QID : 285 - Officially what is the conventional name of Bangladesh?

आधिकारिक रूप से बांग्लादेश का पारंपरिक नाम क्या है?

Options:
1) People's Republic of Bangladesh
बांग्लादेश पीपुल्स रिपब्लिक
2) Republic of Bangladesh
बांग्लादेश गणराज्य
3) Democratic Bangladesh
प्रजातांत्रिक बांग्लादेश
4) No option is correct.
कोई विकल्प सही नहीं है

Correct Answer: People's Republic of Bangladesh
बांग्लादेश पीपुल्स रिपब्लिक

Candidate Answer: [NOT ANSWERED]

QID : 286 - Which of the following is an example of thermosetting plastic?

निम्नलिखित में से कौन सा थर्मोसेटिंग प्लास्टिक का उदाहरण है?

Options:
1) Bakelite
बैकेलाइट
2) PVC
पीवीसी
3) Polyethylene
पॉलिएथिलीन
4) No option is correct.
कोई विकल्प सही नहीं है।

Correct Answer: Bakelite
बैकेलाइट

Candidate Answer: Bakelite
बैकेलाइट

QID : 287 - Which of the following is applied on the top of the matchsticks?

माचिस की तीली के सिरे पर क्या लगाया जाता है?

Options:
1) Red phosphorus
लाल फॉस्फोरस
2) White phosphorus
श्वेत फॉस्फोरस
3) Potassium sulphate
पोटेशियम सल्फेट
4) No option is correct.
कोई विकल्प सही नहीं है।

Correct Answer: Red phosphorus
लाल फॉस्फोरस

Candidate Answer: Red phosphorus
लाल फॉस्फोरस

QID : 288 - Under which Article of Indian Constitution, a person can move to a High Court if his Fundamental Rights are breached?

भारतीय संविधान के किस अनुच्छेद के अंतर्गत, किसी नागरिक के मौलिक अधिकारों का उल्लंघन हो रहा है तो वह उच्च न्यायालय जा सकता है?

Options:
1) Article 36
अनुच्छेद 36
2) Article 226
अनुच्छेद 226
3) Article 254
अनुच्छेद 254
4) Article 256
अनुच्छेद 256

Correct Answer: Article 226
अनुच्छेद 226

Candidate Answer: Article 226
अनुच्छेद 226

QID : 289 - 'Local Government' is a subject mentioned in which list under 7th schedule of Indian constitution?

भारतीय संविधान की साँतवी अनुसूची में 'स्थानीय सरकार' का विषय किस सूची में वर्णित है?

Options:
1) Union list
संघ सूची
2) State list
राज्य सूची
3) Concurrent list
समवर्ती सूची
4) No option is correct.
कोई विकल्प सही नहीं है

Correct Answer: State list
राज्य सूची

Candidate Answer: State list
राज्य सूची

QID : 290 - The saliva in human beings contains which enzyme?

मनुष्यों की लार/लालारस में कौन सा एंजाइम होता है?

Options:
1) Pepsin
पेप्सिन
2) Salivary Amylase
लार एमिलेस
3) Rennin
रेनिन
4) Trypsin
ट्रिप्सिन

Correct Answer: Salivary Amylase
लार एमिलेस

Candidate Answer: Salivary Amylase
लार एमिलेस

QID : 291 - Which among the following do **NOT** have a perfect pair of sex chromosomes?

निम्नलिखित में से किनमें लिंग गुणसूत्रों का एक पूर्ण युग्म **नहीं** होता है?

Options:
1) Only men
केवल पुरुषों में
2) Only women
केवल स्त्रियों में
3) Both men and women
पुरुषों में तथा स्त्रियों में दोनों
4) Neither men nor women
न तो पुरुषों में तथा न ही स्त्रियों में

Correct Answer: Only men
केवल पुरुषों में

Candidate Answer: Only women
केवल स्त्रियों में

QID : 292 - In June 2017, National Biopharma Mission named 'i3' was launched. This mission is aimed to accelerate biopharma critical development in the country. What does 'i3' stand for?

जून 2017 में, 'आई 3' नामक राष्ट्रीय बायोफार्मा मिशन का शुभारंभ किया गया था। इस मिशन का उद्देश्य देश में बायोफार्मा महत्वपूर्ण विकास को गति देना है। 'आई 3' का क्या अर्थ है?

Options:
1) Invest in India
इनवेस्ट इन इंडिया
2) Innovate in India
इनोवेट इन इंडिया
3) Introduce in India
इन्ट्रोड्यूस इन इंडिया
4) No option is correct.
कोई विकल्प सही नहीं है।

Correct Answer: Innovate in India
इनोवेट इन इंडिया

Candidate Answer: Innovate in India
इनोवेट इन इंडिया

QID : 293 - What is the name of the crypto currency planned by Reliance Jio Infocomm Ltd?

रिलायंस जियो इन्फोकॉम लिमिटेड द्वारा योजनावद्ध क्रिप्टोकरेंसी का नाम क्या है?

Options:
1) Jiocoin
जिओकॉइन
2) Recoin
रिकॉइन
3) Relcoin
रिलकॉइन
4) Jioblock
जिओब्लॉक

Correct Answer: Jiocoin
जिओकॉइन

Candidate Answer: Jiocoin
जिओकॉइन

QID : 294 - CIPAM is planning to launch a scheme for raising intellectual property rights awareness at a cost of Rs 29.7 crore. What does 'C' stand for in 'CIPAM'?

सीआईपीएम 29.7 करोड़ रु की लागत से बौद्धिक संपदा अधिकार जागरूकता बढ़ाने के लिए एक योजना शुरू करने की योजना बना रही है। 'सीएपीएएम' में 'सी' का क्या अर्थ है?

Options:
1) Cell
सेल
2) Compound
कंपाउंड
3) Compartment
कम्पार्टमेंट
4) Combined
कंबाइंड

Correct Answer: Cell
सेल

Candidate Answer: [NOT ANSWERED]

QID : 295 - From May 2017, the Real Estate Act has come into effect. The act mandates depositing how much of the funds collected from buyers?

मई 2017 से, रियल एस्टेट एक्ट लागू हो गया है। यह अधिनियम खरीददारों से एकत्रित धन का कितना प्रतिशत जमा करने का आदेश देता है?

Options:
1) 50%
2) 40%
3) 70%
4) 80%
Correct Answer: 70%
Candidate Answer: [NOT ANSWERED]

QID : 296 - Find the work done (in J) when a charge of 10 C moves across a potential difference of 2 V.

2 V विभवान्तर के दो बिन्दुओं के बीच 10 C आवेश ले जाने के लिए कितना कार्य (जूल में) करना पड़ेगा?

Options:
1) 20

2) 5

3) 40

4) 10
Correct Answer: 20
Candidate Answer: 5

QID : 297 - As the object covers equal distances in equal intervals of time, it is said to be in _____ motion.

यदि वस्तु समान समयांतराल में समान दूरी तय करती है तो उसकी गति को ____ गति कहते हैं।

Options:
1) uniform
एकसमान
2) linear
सरल रेखीय
3) translational
सापेक्ष
4) equilibrium
साम्य

Correct Answer: uniform
एकसमान

Candidate Answer: linear
सरल रेखीय

QID : 298 - _____ is a measure of the moisture in air.

हवा में नमी का मापन ___ द्वारा होता है।

Options:
1) Density
घनत्व
2) Viscosity
श्यानता
3) Impurity
अशुद्धता
4) Humidity
आर्द्रता

Correct Answer: Humidity
आर्द्रता

Candidate Answer: Humidity
आर्द्रता

QID : 299 - Which of the statements given below are correct?

A) Lewis Hamilton won the Formula One 2017 United States Grand Prix.
B) Sebastian Vettel won the Formula One 2017 Singapore Grand Prix.
C) Garbine Muguruza won the Tennis 2017 French Open Women's Singles.

निम्नलिखित में से कौन सा कथन सत्य है?

A) लुईस हैमिल्टन ने फ़ॉर्मूला वन 2017 यूनाइटेड स्टेट्स ग्रा प्रि जीती थी।
B) सेबस्तियन वेट्टल ने फ़ॉर्मूला वन 2017 सिंगापुर ग्रा प्रि जीती थी।
C) गार्बिन मुगुरुजा ने टेनिस 2017 फ्रेंच ओपन वूमेंस सिंगल्स जीती थी।

Options:
1) Only A
केवल A
2) Only B
केवल B
3) A and C
A और C
4) A, B and C
A, B और C

Correct Answer: Only A
केवल A

Candidate Answer: [NOT ANSWERED]

QID : 300 - A huge network of millions of computer networks constitutes the _____.

लाखों कंप्यूटर नेटवर्कों का एक विशाल नेटवर्क ____ का गठन करता है।

Options:
1) Internet
इंटरनेट
2) Satellites
सैटलाइट
3) Electronic device
इलेक्ट्रानिक साधन
4) e-mail
ई-मेल

Correct Answer: Internet
इंटरनेट

Candidate Answer: Satellites
सैटलाइट