SSC CHSL 5 March 2018 Morning Shift

Quant

Instructions

For the following questions answer them individually

Question 1

What is the least number that can be multiplied to 69120 to make it a perfect cube?

A   10

B   50

C   25

D   5

   Answer: C

Explanation:

Prime factorization of $69120 = 2^9 \times 3^3 \times 5$

For the number to be a perfect cube, all the exponents must be multiples of 3, thus the above number must be multiplied with $5^2 = 25$.

=> Ans - (C)

Question 2

Mr. Ankit is on tour to Siachin and he has Rs. 360 for his expenditure. If he exceeds his tour by 4 days, he must trim down his daily expenditure by Rs.3. For how many days is Mr. Ankit is on tour?

A   20

B   22

C   24

D   26

   Answer: A

Explanation:

Let Mr. Ankit is on tour for x days

=> Original daily expense = $Rs. \frac{360}{x}$

According to ques,

=> $(x + 4)(\frac{360}{x} - 3) = 360$

=> $360 - 3x + \frac{1440}{x} - 12 = 360$

=> $3x - \frac{1440}{x} + 12 = 0$

=> $3x^2 + 12x - 1440 = 0$

=> $x^2 + 4x - 480 = 0$

=> $x^2 + 24x - 20x - 480 = 0$

=> $x(x + 24) - 20(x + 24) = 0$

=> $(x + 24)(x - 20) = 0$

=> $x = -24, 20$

$\because x$ cannot be negative, => $x = 20$ days

=> Ans - (A)

Question 3

Determine the value of $\left(\frac{1}{r} + \frac{1}{s}\right)$ when $r^3 + s^3 = 0$ and $r + s = 6$

A 0

B 0.5

C 1

D 6

Answer: B

Explanation:
Given : $r^3 + s^3 = 0$ and $r + s = 6$ ---------(i)

$\because x^3 + y^3 = (x + y)(x^2 + y^2 - xy)$

=> $(r + s)(r^2 + s^2 - rs) = 0$

=> $6(r^2 + s^2 - rs) = 0$

=> $r^2 + s^2 - rs = 0$

=> $r^2 + s^2 = rs$ -----------(ii)

Also, squaring equation (i),

=> $(r + s)^2 = (6)^2$

=> $r^2 + s^2 + 2rs = 36$

Substituting value from equation (ii), => $rs + 2rs = 3rs = 36$

=> $rs = \frac{36}{3} = 12$ ----------(iii)

$\therefore \left(\frac{1}{r} + \frac{1}{s}\right) = \frac{r+s}{rs}$

Dividing equation (i) by (iii),

$= \frac{6}{12} = 0.5$

=> Ans - (B)

Question 4

What is the y - intercept of the linear equation 59x + 14y - 112 = 0?

A 8

B 14

C 28

D 59

Answer: A

Explanation:

Equation = $59x + 14y - 112 = 0$

=> $14y = -59x + 112$

=> $y = \frac{-59x + 112}{14}$

=> $y = \frac{-59}{14}x + 8$

Comparing above equation with $y = mx + c$, where c is the y-intercept.

=> y-intercept = 8

=> Ans - (A)

Question 5

The circumferences of two circles are touching externally. The distance between their centres is 12 cm. The radius of one circle is 7 cm. Find the diameter (in cm) of the other circle.
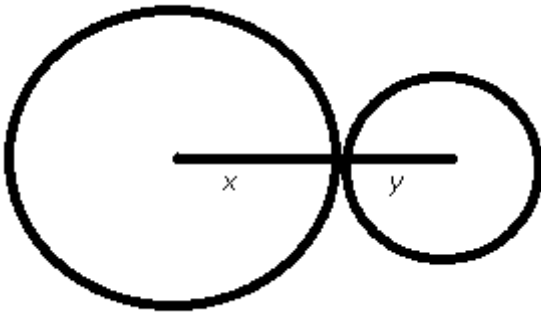
A 12

B 10

C 8

D 5

Answer: B

Explanation:

Let $x = 7$ be the radius of first circle and y be the radius of second circle.

=> $x + y = 12$

=> $7 + y = 12$

=> $y = 12 - 7 = 5$

∴ Diameter of second circle = $2 \times 5 = 10$ cm

=> Ans - (B)

Question 6

The length of the radius of the circumference of a triangle having sides 9 cm, 12 cm and 15 cm is

A   6 cm

B   7.5 cm

C   4.5 cm

D   6.5 cm

   Answer: B

Explanation:

Length of sides of triangle = 9, 12 and 15 cm

Clearly, it is aright angled triangle having $(15)^2 = (9)^2 + (12)^2$, where length of hypotenuse = 15 cm

Also, the circumcentre of a right angled triangle lies on its hypotenuse, thus circumradius = $\frac{1}{2} \times$ (hypotenuse)

= $\frac{1}{2} \times 15 = 7.5$ cm

=> Ans - (B)

Question 7

If X = 600 and Y = 800, then X is how much percent less than Y?

A   33.33

B   25

C   75

D 35

Answer: B

Explanation:
$X = 600$ and $Y = 800$

=> Required % = $\frac{(800-600)}{800} \times 100$

= $\frac{200}{8} = 25\%$

=> Ans - (B)

Question 8

The ratio of three numbers is 2 : 3 : 5. If the sum of the three numbers is 275, then what is the largest among the three numbers?

A 142

B 82.5

C 137.5

D 152

Answer: C

Explanation:
Let three numbers be $2x, 3x$ and $5x$ respectively.

Sum = $2x + 3x + 5x = 275$

=> $x = \frac{275}{10} = 27.5$

$\therefore$ Largest number = $5 \times 27.5 = 137.5$

=> Ans - (C)

Question 9

S, T and U started a business and their capitals are in the ratio of 3 : 4 : 6. At the end they receive the profit in the ratio of 1 : 2 : 3. What will be the respective ratio of time period for which they contributed their capitals?

A 3 : 2 : 2

B 2 : 3 : 3

C 2 : 2 : 3

D $4:5:3$

Answer: B

Explanation:

Let the respective time period for which S, T and U contributed their capitals = $x:y:z$

Ratio of capitals = $3:4:6$

=> Ratio of profit = $3x:4y:6z = 1:2:3$

=> $\frac{3x}{4y} = \frac{1}{2}$

=> $\frac{x}{y} = \frac{2}{3}$

Similarly, $\frac{4y}{6z} = \frac{2}{3}$

=> $y = z$

$\therefore x:y:z = 2:3:3$

=> Ans - (B)

Question 10

What is the average of first 7 multiples of 7?

A 7

B 14

C 21

D 28

Answer: D

Explanation:

First 7 multiples of 7 = 7,14,21,28,35,42,49

=> Sum = $7(1+2+3+4+5+6+7) = 7 \times 28$

=> Average = $\frac{7 \times 28}{7} = 28$

=> Ans - (D)

Question 11

A sum of Rs 8000 is divided into two parts. The simple interest on first part at the rate of 21% per annum is equal to the simple interest on second part at the rate of 35% per annum. What is the interest (in Rs) of each part?

A 1050

B 840

C 1400

D 1220

Answer: A

Explanation:

Let sum invested for 21% = Rs. $100x$ and sum invested for 35% = Rs. $(8000 - 100x)$

Time period = 1 year

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

According to ques,

=> $\frac{100x \times 21 \times 1}{100} = \frac{(8000 - 100x) \times 35 \times 1}{100}$

=> $21x = (80 - x) \times 35$

=> $21x = 2800 - 35x$

=> $35x + 21x = 56x = 2800$

=> $x = \frac{2800}{56} = 50$

$\therefore$ Interest for each part = $\frac{100 \times 50 \times 21 \times 1}{100}$

= Rs. 1050

=> Ans - (A)

Question 12

Selling price of a glass is Rs 1965 and loss percentage is 25%. If selling price is Rs 3013, then what will be the profit percentage?

A 13

B 10.4

C 15

D 20

Answer: C

Explanation:

Selling price of glass = Rs. 1965

Loss % = 25%

=> Cost price = $\frac{1965}{(100 - 25)} \times 100$

= $1965 \times \frac{4}{3} = Rs. 2620$

If selling price = Rs. 3013

$\therefore$ Profit % = $\frac{(3013-2620)}{2620} \times 100$

= $\frac{3930}{262} = 15\%$

=> Ans - (C)

Question 13

Ramesh marks his article at Rs 6000 and after allowing a discount of 20%, he still earns 60% profit. What is the cost price (in Rs) of the article?

A 3600

B 4800

C 3000

D 4200

Answer: C

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

=> Selling price = $100x + \frac{60}{100} \times 100x = Rs.\ 160x$ --------------(i)

Also, Marked price = Rs. 6000 and discount % = 20%

=> Selling price = $6000 - \frac{20}{100} \times 6000 = 6000 - 1200 = Rs.\ 4800$ -----------(ii)

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

=> $160x = 4800$

=> $x = \frac{4800}{160} = 30$

$\therefore$ Cost price = $100 \times 30 = Rs.\ 3000$

=> Ans - (C)

Question 14

What is the value of $\sqrt{729} + \sqrt{729} + \sqrt{7.29}$?

A 40.5

B 45.6

C 33.5

D 56.7

Answer: D

Explanation:

Expression : $\sqrt{729} + \sqrt{729} + \sqrt{7.29}$

We know that $(27)^2 = 729$

= $27 + 27 + 2.7 = 56.7$

= Ans - (D)

Question 15

Rohan and Mohit together can build a wall in 8 days. Mohit and Vikas build the same wall in 10 days and Vikas and Rohan can build the same wall in 12 days. In how many days can all the three complete the same wall while working together?

A 240/37

B 120/37

C 150/37

D 180/37

Answer: A

Explanation:

Let total work to be done = L.C.M.(8,10,12) = 120 units

Let efficiency of Rohan, Mohit and Vikas be x, y, z respectively.

Rohan and Mohit together can build the wall in 8 days, => $x + y = \frac{120}{8} = 15$ units/day ---------(i)

Similarly, $y + z = \frac{120}{10} = 12$ units/day ---------(ii)

and $z + x = \frac{120}{12} = 10$ units/day ---------(iii)

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

=> $2(x + y + z) = 15 + 12 + 10 = 37$

=> $x + y + z = \frac{37}{2}$

∴ Time taken by all of them = $\frac{120}{\frac{37}{2}} = \frac{240}{37}$ days

=> Ans - (A)

Question 16

A boy starts from his house and walks at a speed of 5 km/hr and reaches his school 3 minutes late. Next day he starts at the same time and increases his speed by 4 km/hr and reaches 3 minutes early. What is the distance (in km) between the school and his house?

A 1

B 1.25

C 1.125

D 1.5

Answer: C

Explanation:
Let distance between school and house = d km and ideal time to reach school = t hours

When he walks at a speed of 5 km/hr, he reaches school 3 minutes late, => using distance = speed $\times$ time

=> $d = 5 \times (t + \frac{3}{60})$ ------------(i)

Similarly, $d = 9 \times (t - \frac{3}{60})$ ------------(ii)

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

=> $5(t + \frac{3}{60}) = 9(t - \frac{3}{60})$

=> $5t + \frac{1}{4} = 9t - \frac{9}{20}$

=> $9t - 5t = \frac{1}{4} + \frac{9}{20}$

=> $4t = \frac{(5+9)}{20} = \frac{14}{20}$

=> $t = \frac{7}{10} \times \frac{1}{4} = \frac{7}{40}$

Substituting it in equation (i), => $d = 5(\frac{7}{40} + \frac{3}{60})$

= $5(\frac{(21+6)}{120}) = \frac{27}{24} = 1.125$ km

=> Ans - (C)

Instructions

The line graph shows the number of students of a certain university who passed in the given year in their final exams. Study the diagram and answer the following questions.

Pass Student
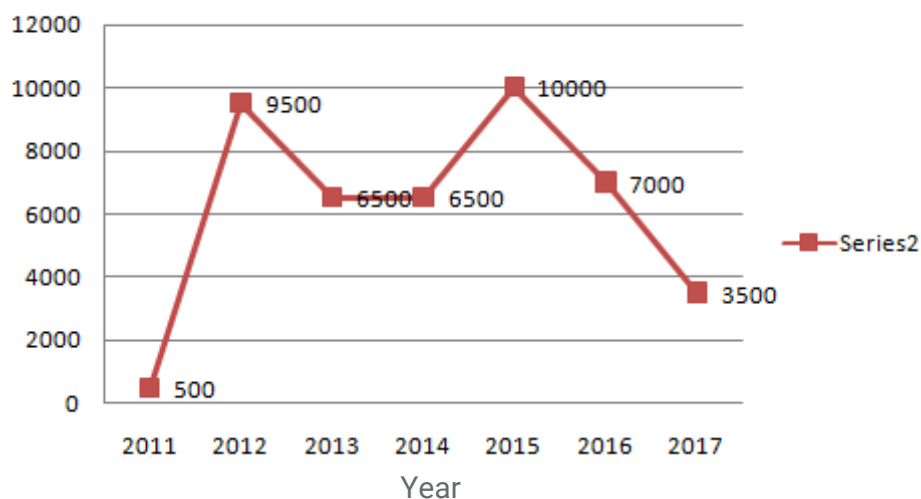
Question 17

In which year were number of students who passed were more than those who passed in the previous year?

A 2016

B 2015

C 2014

D 2013

Answer: B

Explanation:

In 2012 and **2015**, number of students who passed were more than those who passed in the previous year.

=> Ans - (B)

Question 18

What was the difference in the number of students who passed between the years 2013 and 2016?

A 1000

B 500

C 1500

D 2000

Answer: B

Explanation:

Number of students who passed in 2016 = 7000

Number of students who passed in 2013 = 6500

=> Required difference = $7000 - 6500 = 500$

=> Ans - (B)

Question 19

Number of students who passed in 2016 were greater than that in 2017 by _____.

A 150%

B 100%

C 50%

D 200%

Answer: B

Explanation:

Number of students who passed in 2016 = 7000

Number of students who passed in 2017 = 3500

=> Required % = $\frac{(7000-3500)}{3500} \times 100$

= $\frac{3500}{35} = 100\%$

=> Ans - (B)

Question 20

If students who pass are given a certificate, what is the number of certificates awarded in the last three years?

A   19500

B   20000

C   20500

D   19000

Answer: C

Explanation:

Number of certificates awarded in the last three years = Number of students who passed in 2015, 2016 and 2017

= 10000 + 7000 + 3500

= 20500

=> Ans - (C)

Instructions

For the following questions answer them individually

Question 21

The area and the length of one of the diagonals of a rhombus is 84 cm2 and 7 cm respectively. Find the length of its other diagonal (in cm).

A   12

B   24

C   48

D   36

Answer: B

Explanation:

Let length of one diagonal = d cm and length of other diagonal = 7 cm

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

=> $\frac{1}{2} \times 7 \times d = 84$

=> $d = \frac{84 \times 2}{7}$

=> $d = 24$ cm

=> Ans - (B)

Question 22

Find the perimeter (in cm) of a semicircle of radius 28 cm.

A 288

B 144

C 121

D 242

    Answer: B

Explanation:

Radius of semi circle = $r = 28$ cm

=> Perimeter of semi circle = $\pi r + 2r$

= $\left(\frac{22}{7} \times 28\right) + (2 \times 28)$

= $88 + 56 = 144$ cm

=> Ans - (B)

Question 23

Find the curved surface area in cm^2 of a hemisphere of diameter 28 cm.

A 1152

B 1024

C 956

D 1232

    Answer: D

Explanation:

Radius of hemisphere, $r = \frac{28}{2} = 14$ cm

Curved surface area = $2\pi r^2$

= $2 \times \frac{22}{7} \times (14)^2$

= $44 \times 2 \times 14 = 1232 \; cm^2$

=> Ans - (D)

Question 24

What is the value of $\left(sin60^\circ + \frac{2}{\sqrt{3}}\right)$?

A $\left(2\sqrt{3} + 1\sqrt{3}\right)$

B $7/2\sqrt{3}$

C 3

D $2 + \sqrt{3}$

Answer: B

Explanation:

Expression : $sin(60^\circ) + \frac{2}{\sqrt{3}}$

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

= $\frac{3+4}{2\sqrt{3}}$

= $\frac{7}{2\sqrt{3}}$

=> Ans - (B)

Question 25

ΔXYZ is right angled at Y. If cosX = 3/5, then what is the value of cosecZ ?
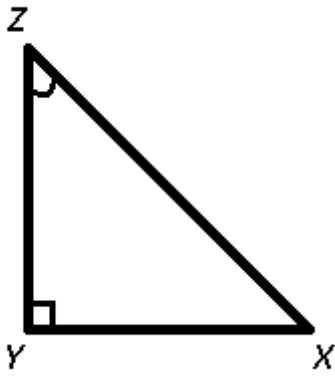
A 3/4

B 5/3

C 4/5

D 4/3

Answer: B

Explanation:

Given : $\cos X = \frac{3}{5}$

Also, $\cos X = \frac{XY}{XZ} = \frac{3}{5}$

Let XY = 3 cm and XZ = 5 cm

To find : $\operatorname{cosec} Z = \frac{XZ}{XY}$

$= \frac{5}{3}$

=> Ans - (B)

Reasoning

Instructions

For the following questions answer them individually

Question 26

In the following question, select the related word pair from the given alternatives.
Pascal : Pressure : : ? : ?

A Hectare : Volume

B Speed : Temperature

C Joule : Work

D Time : Seconds

  Answer: C

Explanation:

Expression = Pascal : Pressure : : ? : ?

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

=> Ans - (C)

Question 27

In the following question, select the related number from the given alternatives.
563 : 635 : : 894 : ?

A 849

B 489

C 498

D 948

    Answer: D

Explanation:

Expression = 563 : 635 : : 894 : ?

The pattern followed is that the digits are arranged in such way that the first digit comes at the end, and the rest of the digits are written in the respective order.

Similarly, 894 : **948**

=> Ans - (D)

Question 28

In the following question, select the related letter pair from the given alternatives.
MOK : KLG : : ? : ?

A FIM : DFI

B TMA : UNB

C KCN : JBM

D FSA : IVD

    Answer: A

Explanation:

Expression = MOK : KLG

The pattern followed is :

M	O	K
(-2)	(-3)	(-4)
K	L	G

Similarly, **FIM : DFI**

F	I	M
(-2)	(-3)	(-4)
D	F	I

=> Ans - (A)

Question 29

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

A Square - Four

B Pentagon - Five

C Rectangle - Three

D Triangle - Three

Answer: C

Explanation:
Number of sides in the respective polygons are given. A triangle has 3, square has 4 and a pentagon has 5 sides, and a rectangle also has 4 sides.

Thus, *Rectangle - Three* is the odd one.

=> 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 7 - 49

B 2 - 4

C 5 - 25

D 3 - 39

Answer: D

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

$(7)^2 = 49$

$(2)^2 = 4$

$(5)^2 = 25$

$(3)^2 = 9 \neq 39$

=> Ans - (D)

Question 31

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

A RTV

B HJL

C KMP

D BDF

Answer: C

Explanation:

(A) : R (+2 letters) = S (+2 letters) = V

(B) : H (+2 letters) = J (+2 letters) = L

(C) : K (+2 letters) = M (**+3** letters) = P

(D) : B (+2 letters) = D (+2 letters) = F

=> Ans - (C)

Question 32

Arrange the given words in the sequence in which they occur in the dictionary.
1. Pinnacle
2. Pigment
3. Pierce
4. Phony
5. Pick

A 15423

B 45321

C 54213

D 32154

Answer: B

Explanation:

As per the order of dictionary :

= Phony -> Pick -> Pierce -> Pigment -> Pinnacle

≡ 45321

=> Ans - (B)

Question 33

In the following question, select the missing number from the given series.
23, 28, 34, 41, 49, ?

A 59

B 57

C 58

D 55

Answer: C

Explanation:
Consecutive integers are added.

23 + 5 = 28

28 + 6 = 34

34 + 7 = 41

41 + 8 = 49

49 + 9 = **58**

=> Ans - (C)

Question 34

GJT, IMR, KPP, MSN, ?

A PUL

B OVL

C OUK

D PVM

Answer: B

Question 35

In a row of buses, Punjab is at 19th position from the right end. Raftaar is 23 places to the left from Punjab and is at the exact centre of row. How many buses are between Raftaar bus and bus standing at the left end?

A 44

B 42

C 40

D 43

   Answer: C

Explanation:
Position of Punjab's bus from right end = 19th

=> Position of Raftaar's bus from right end = 19 + 23 = 42nd

Since, Raftaar's bus is also at the centre, => Number of buses between Raftaar bus and bus standing at the left end (eliminating these two buses)

= $42 - 2 = 40$

=> Ans - (C)

Question 36

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

A Got

B Over

C Need

D Norm

   Answer: C

Explanation:
The word GOVERNMENT does not contain any 'D', thus the term **Need** cannot be formed.

=> Ans - (C)

Question 37

In a certain code language, "FRIED" is written as "EQHDC". How is "RUSTY" written in that code language?

A PAXYZ

B QTRSX

C PARSX

D NQVSZ

Answer: B

Explanation:
"FRIED" is written as "EQHDC"

The pattern followed is :

F	R	I	E	D
(-1)	(-1)	(-1)	(-1)	(-1)
E	Q	H	D	C

Similarly, for RUSTY :

R	U	S	T	Y
(-1)	(-1)	(-1)	(-1)	(-1)
Q	T	R	S	X

=> Ans - (B)

Question 38

In a certain code language, '-' represents 'x', '÷' represents '+', '+' represents '÷' and 'x' represents '-'. Find out the answer to the following question.
19 ÷ 2 - 35 + 10 x 6 = ?

A 20

B 14

C 32

D 27

Answer: A

Explanation:
Expression : 19 ÷ 2 - 35 + 10 x 6 = ?

$$\equiv 19 + 2 \times 35 \div 10 - 6$$

= $19 + \frac{70}{10} - 6$

= $13 + 7 = 20$

=> Ans - (A)

Question 39

The following equation is incorrect. Which two signs should be interchanged to correct the equation?
15 x 18 - 6 ÷ 20 + 4 = 29

A   + and x

B   ÷ and -

C   + and ÷

D   - and +

    Answer: B

Explanation:
Expression : 15 x 18 - 6 ÷ 20 + 4 = 29

(A) : + and x

$\equiv 15 + 18 - 6 \div 20 \times 4 = 29$

L.H.S. = $33 - \frac{24}{20} = 31.8 \neq$ R.H.S.

(B) : ÷ and -

$\equiv 15 \times 18 \div 6 - 20 + 4 = 29$

L.H.S. = $15 \times 3 - 16 = 29 =$ R.H.S.

=> Ans - (B)

Question 40

If 40@8 = -5, 30@3 = -10 and 20@5 = -4, then find the value of 60@3 = ?

A   45

B   -20

C   -5

D   -36

    Answer: B

Explanation:
Given : 40@8 = -5, 30@3 = -10 and 20@5 = -4

If we replace '@' with $'\div'$ and append a 'negative' sign, then L.H.S. = R.H.S.

Eg :- $-\frac{40}{8} = -5$

and $-\frac{30}{3} = -10$

and $-\frac{20}{5} = -4$

Similarly, $-\frac{60}{3} = -20$

=> Ans - (B)

Question 41

Which of the following terms follows the trend of the given list?
abABABAB, ABabABAB, ABABabAB, ABABABab, abABABAB, _____.

A ABABAbaB

B abABABAB

C ABabABAA

D ABabABAB

Answer: D

Explanation:
Expression : abABABAB, ABabABAB, ABABabAB, ABABABab, abABABAB, _____.

The pattern followed is that in each term there are 4 combinations of 'AB' and in each term, the first two terms in increasing order (in pairs) are small alphabets.

Thus, in the missing term, the third and fourth term will be small = **ABabABAB**

=> Ans - (D)

Question 42

Two village women are returning home starting from the same point. The first woman walks 1 km South, the turns to her right and walks 6 km to reach her house. In the meanwhile the second woman walks 5 km West, then she turns North and walks 4 km, then she turns to her left and walks 1 km to reach her house. Where is the second woman's house with respect to the first woman's house?

A 5 km North

B 3 km North

C 5 km South

D 3 km South

Answer: A

Question 43

In the question two statements are given, followed by two conclusions, I and II.
You have to consider the statements to be true even if it seems to be at variance from
commonly known facts. You have to decide which of the given conclusions, if any, follows from
the given statements.
Statement I: No books are notebooks
Statement II: All diaries are books
Conclusion I: No notebooks are diaries
Conclusion II: All diaries are notebooks

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 Film critics, circle represents Bakers, triangle represents
Divers and square represents Football players. Which set of letters represents Football players who are not
Divers?
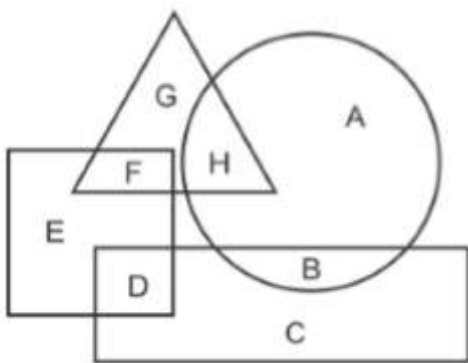
A ED

B FD

C GH

D DC

  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.
HPA, FMZ, DJY, BGX, ?

A ZDW

B ZEV

C YDW

D YEV

  Answer: A

Explanation:
Series : HPA, FMZ, DJY, BGX, ?

The pattern followed in each letter of the terms is :

1st letter : H (-2 letters) = F (-2 letters) = D (-2 letters) = B (-2 letters) = Z

2nd letter : P (-3 letters) = M (-3 letters) = J (-3 letters) = G (-3 letters) = D

3rd letter : A (-1 letter) = Z (-1 letter) = Y (-1 letter) = X (-1 letter) = W

Thus, missing term = **ZDW**

=> Ans - (A)

Question 46

In the following question, select the missing number from the given series.
672, 666, 660, 654, ?

A 648

B 646

C 650

D 640

  Answer: A

Explanation:
'6' is subtracted from all the numbers.

672 - 6 = 666

666 - 6 = 660

660 - 6 = 654

654 - 6 = **648**

=> Ans - (A)

Question 47

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

A (61, 64, 71)

B (57, 60, 69)

C (75, 78, 85)

D (89, 92, 99)

Answer: B

Explanation:

The numbers are of the form : $(x, x + 3, x + 10)$

But in the second option, we have = $57 + 10 = 67 \neq 69$

Thus, (57, 60, 69) is the odd one out.

=> Ans - (B)

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?
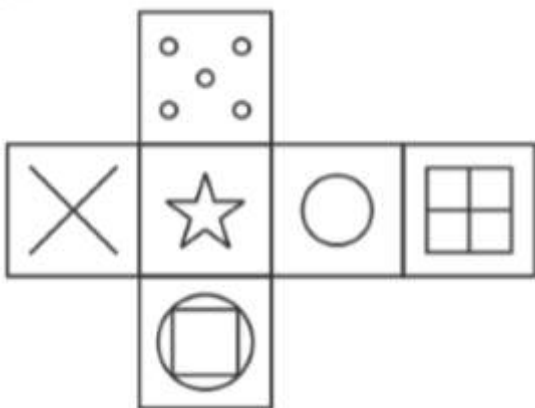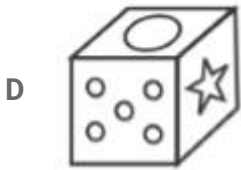

A

B

C

D

Answer: A

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: C

Question 50

A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as shown in the given two matrices. The columns and rows of Matrix-I are numbered from 0 to 4 and that of Matrix-II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, for example 'F' can be represented by 24, all etc and 'P' can be represented by 58, 87 etc. Similarly, you have to identify the set for the word 'UNIT.

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

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

A 22,78,34,69

B 22,67,34,59

C 14,69,24,75

D 85,67,13,57

Answer: D

Explanation:
(A) : 22,78,34,69 = AXKP

(B) : 22,67,34,59 = ANKW

(C) : 14,69,24,75 = HPHQ

(D) : 85,67,13,57 = **UNIT**

=> Ans - (D)

English

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 picked (a)/ on the (b)/ trail soon after. (c)/ No error (d)

A She picked

B on the

C trail soon after

D No error

Answer: B

Question 52

Internet Service Providers (ISPs) should provide us (a)/ with open networks and should not block or discriminate for (b)/ any application or content that rides over those networks. (c)/ No error (d)

A Internet Service Providers (ISPs) should provide us

B with open networks and should not block or discriminate for

C any application or content that rides over those networks

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

Meera cannot _____ the exam's results.

A depict

B await

C   envision

D   observe

Answer: B

Question 54

Being linked with nature brings joy and peace as it is the _____ of the laws of Nature.

A   dissent

B   refusal

C   acknowledgement

D   sustenance

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

Felicity

A   Bliss

B   Misery

C   Grief

D   Trouble

Answer: A

Question 56

Chafe

A   Chain

B   Safe

C   Irritate

D   Joy

Answer: C

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

Forgo

A   Forfeit

B   Neglect

C   Conquer

D   Pass

Answer: C

Question 58

Banter

A   Teasing

B   Praise

C   Fun

D   Gossip

Answer: B

Instructions

For the following questions answer them individually

Question 59

Rearrange the parts of the sentence in correct order.
Gender inequality has
P : it reduces economic growth
Q : development goals as
R : adverse impact on

A   RPQ

B RQP

C PRQ

D QPR

Answer: B

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. Who did this?

A This was done by who?

B By who this was done?

C By whom this was done?

D By whom was this done?

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. Ram said, "I have cleared the clutter."

A Ram told that he cleared the clutter.

B Ram says that he cleared the clutter.

C Ram said that he had cleared the clutter.

D The clutter was cleared by Ram

Answer: C

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 Beizarre

B Bizaarre

C Bizarre

D Bigarre

  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.

One should always keep in mind that psychology is essentially a laboratory science, and _____ a text-book subject. The laboratory material is to be _____ in ourselves. While the text should be thoroughly mastered, its statements should always be verified _____ reference to one's own experience, and observation of others. Prospective teachers should constantly correlate the lessons of the book _____ the observation of children at work in the school. The problems suggested for _____ and introspection will, if mastered, do much to render practical help to find the truths of psychology.

Question 63

science, and _____ a text-book subject.

A nor

B neither

C not

D none

  Answer: C

Question 64

material is to be _____ in ourselves

A find

B finding

C found

D finds

  Answer: C

Question 65

always be verified _____ reference to one's own.

A to

B at

C by

D for

   Answer: C

Question 66

lessons of the book _____ the observation of children

A with

B until

C from

D upon

   Answer: A

Question 67

suggested for _____ and introspection will

A observe

B observes

C observed

D observation

   Answer: D

Instructions

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

Question 68

At large

A A very big opportunity.

B A criminal escaped or not yet captured.

C To have a big heart.

D A big appetite.

   Answer: B

Question 69

Head over heels

A To do things exactly opposite of what is expected.

B Madly in love.

C To do stupid things.

D To unknowingly dive into an unpleasant situation.

   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

Beyond or above the range of normal or physical human experience

A Mundane

B Transcendent

C Ribald

D Coarse

   Answer: B

Question 71

Capable of being imagined or grasped mentally

A Dazzling

B Conceivable

C Stunning

D Spectacular

Answer: B

Instructions

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

Question 72

As he tried harder, his steps slowed, his senses (was activated).

A is activated

B were activated

C were activate

D no improvement

Answer: B

Question 73

**My daughter (comes running) as fast as her little feet can take her while her eyes
sparkle vivaciously.**

A comes run

B come running

C came run

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.
Leadership and
A-team-building skills deepened
B-for relationships
C-a sense of value

A   ACB

B   ABC

C   CBA

D   CAB

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   percoletion

B   parcolation

C   percolation

D   parcoletion

Answer: C

General Awareness

Instructions
For the following questions answer them individually

Question 76

Sudden decrease of birth rate would cause _____.

A   increase in per capita income

B   increase in investment

C   increase in savings

D   increase in loan requests

Answer: A

Question 77

In the last one decade, which one among the following sectors has attracted the highest foreign direct investment inflows into India?

A   Food processing

B   Petro-chemical

C   Chemicals other than fertilizers

D   Telecommunications

Answer: D

Question 78

Harshavardhan's Vallabhi conquest is found in which of the following inscriptions?

A   Aihole Pillar Inscription

B   Junagadh Inscription

C   Navsari Copperplate Inscription

D   Damodarpur copper plate Inscription

Answer: C

Question 79

What was the northwestern border of the Mughal Empire during the reign of Akbar?

A   Punjab

B   Hindukush

C   Kabul

D   Sindh

Answer: B

Question 80

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

A   perihelion

B   aphelion

C   Apogee

D   Perigee

   Answer: A

Question 81

Another name for Indira Point is:

A   Parson point

B   La-Hi-Ching

C   Pygmalion point

D   All options are correct.

   Answer: D

Question 82

What was the real name of Swami Vivekananda?

A   Surendranath Bose

B   Narendranath Dutt

C   Vidyadhar Roy

D   Shyamal Bose

   Answer: B

Question 83

Military exercise 'Prabal Dosty' Which was held in November 2017 was conducted between _____.

A India and Afghanistan

B India and Kazakhstan

C India and Uzbekistan

D India and Turkmenistan

Answer: B

Question 84

Who among the following has been awarded the "'Rajiv Gandhi Khel Ratna Award" for the year 2017?

A Jitu Rai

B Jasvir Singh

C Sardar Singh

D S.V. Sunil

Answer: C

Question 85

Vedda is a tribe of which of the following countries?

A Maldives

B Myanmar

C Sri Lanka

D Bangladesh

Answer: C

Question 86

Which of the following is natural fiber?

A Silk

B Rayon

C   Nylon

D   Polyester

Answer: A

Question 87

Which of the following statement(s) is/are CORRECT?

A   Oxides of non-metals are basic.

B   Oxides of non-metals are acidic.

C   Oxides of metals are acidic.

D   All options are correct.

Answer: B

Question 88

In India, which of the following body is Constitutional in nature?

A   NITI Aayog

B   National Human Rights Commission

C   Central Vigilance Commission

D   Finance Commission

Answer: D

Question 89

Which part of the Indian Constitution deals with 'The Municipalities'?

A   Part VII

B   Part VIII

C   Part XI

D   Part IX A

Answer: D

Question 90

Organisms use bio-catalyst to break down complex substances into simpler substances. These bio-catalysts are called _____.

A   enzymes

B   hormones

C   vitamins

D   No option is correct.

   Answer: A

Question 91

The first step of process of nutrition is the breakdown of glucose into a three-carbon molecule called _____.

A   pyruvate

B   propanol

C   propane

D   methanol

   Answer: A

Question 92

- "Saubhagya" scheme was launched to provide which of the following?

A   Water connections

B   LPG connections

C   Electricity connections

D   Broadband connections

   Answer: C

Question 93

Which of the following became first Indigenously developed vaccine from India to be pre-qualified by World Health Organisation?

A Rotavac

B Hemophile

C Pentavac

D Pneumococca

Answer: A

Question 94

In July 2017, RBI Capped how much Customer liability if they report unauthorised transactions within seven working days?

A Rs 50,000

B Rs 25,000

C Rs 1,00,000

D Rs 75,000

Answer: B

Question 95

On 10 April 2017, Lok Sabha passed the Motor Vehicles (Amendment) Bill, 2016. The Bill seeks to amend _____.

A Motor Vehicles Act, 1988

B Motor Vehicles Act, 1998

C Motor Vehicles Act, 2005

D Motor Vehicles Act, 2010

Answer: A

Question 96

What is the effective resistance (in Ω) of two resistors 20 Ω and 30 Ω connected in parallel?

A 50

B 12

C 24

D 25

   Answer: B

Question 97

1 km/hr equals _____ m/s.

A 5/18

B 18/5

C 5/16

D 16/5

   Answer: A

Question 98

To keep warm, polar bears have a layer of _____ under their skin.

A muscle

B fat

C cartilage

D hair

   Answer: B

Question 99

Which of the statements given below are correct?

A) Maverick Viñales won the 2017 Qatar Motorcycle Grand Prix MotoGP.
B) In 2017, Zaheer Khan captained the IPL team Royal Challengers Bangalore.
C) In 2017, Gautam Gambhir captained the IPL team Kolkata Knight Riders.

A Only A

B Only B

C A and C

D A, B and C

Answer: C

Question 100

In Microsoft Word, font, font style, size, font color etc. are options of _____.

A Character formatting

B Paragraph formatting

C Sentence formatting

D Font formatting

Answer: A

Staff Selection Commission
(Government Of India)

REGISTRATION NUMBER :   **CANDIDATE NAME :**
                                                                  EXAM START TIME : 13:30:00
EXAM DATE : 8-March-2018   **EXAM DURATION : 01:00 Hrs**
EXAM NAME : SSC Examination   **TOTAL NO OF QUESTIONS : 100**
TOTAL MARKS : 200

QID : 101 - 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'.

She has **(1)**/ reduced her **(2)**/ consumption to considerably. **(3)**/ No error **(4)**

Options:

1) 1

2) 2

3) 3

4) 4

Correct Answer: 3

Candidate Answer: 3

QID : 102 - 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'.

Liquid water cannot exist on the surface of Mars as

to low **(1)/** atmospheric pressure, which is less than 1% of Earth's, **(2)/** except at the lowest elevations for short periods. **(3)/** No error **(4)**

Options:
1) 1
2) 2
3) 3
4) 4
Correct Answer: 1
Candidate Answer: [NOT ANSWERED]

QID : 103 - 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.

That is _____ cars I know.
Options:
1) the worst
2) worst
3) mostly worst
4) one of the worst
Correct Answer: one of the worst
Candidate Answer: one of the worst

QID : 104 - 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.

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

Options:
1) caution
2) translation
3) imposition
4) revolution
Correct Answer: imposition
Candidate Answer: imposition

QID : 105 - In the following question, out of the given four alternatives, select the one which best expresses the meaning of the given word.

Curtail
Options:
1) Prolong
2) Downsize
3) Lengthen
4) Extend
Correct Answer: Downsize
Candidate Answer: Downsize

QID : 106 - In the following question, out of the given four alternatives, select the one which best

expresses the meaning of the given word.

Inference

Options:
1) Beginning
2) Conclusion
3) Preparation
4) Discovery
Correct Answer: Conclusion
Candidate Answer: Conclusion

QID : 107 - In the following question, out of the given four alternatives, select the one which is opposite in meaning of the given word.

Consensus
Options:
1) Accord
2) Discord
3) Consent
4) Unity
Correct Answer: Discord
Candidate Answer: Discord

QID : 108 - In the following question, out of the given four alternatives, select the one which is opposite in meaning of the given word.

Mould
Options:
1) Genuine
2) Shape
3) Slice
4) Sculpt
Correct Answer: Genuine
Candidate Answer: [NOT ANSWERED]

QID : 109 - 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
Options:
1) PRQ
2) PQR
3) QRP
4) RPQ
Correct Answer: PRQ
Candidate Answer: PRQ

QID : 110 - 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.
Options:
1) The house was being built by the workers.
2) The house was built by the workers.
3) The house is built by the workers.
4) The house is being built by the workers.
Correct Answer: The house is being built by the workers.
Candidate Answer: The house is being built by the workers.

QID : 111 - 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."
Options:
1) Sneha ordered Arjun to go away.
2) Sneha asked Arjun that he should go away.
3) Sneha say to Arjun to go away.
4) Sneha inquired Arjun to go away.
Correct Answer: Sneha ordered Arjun to go away.
Candidate Answer: Sneha ordered Arjun to go away.

QID : 112 - 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) Aggrression
2) Aggrresion
3) Aggression
4) Agrresson

Correct Answer: Aggression
Candidate Answer: Aggression

QID : 113 - **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.

below would be _____ pressure
Options:
1) inside
2) into
3) about
4) under
Correct Answer: under
Candidate Answer: under

QID : 114 - 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.

and _____ a small circular flame
Options:
1) slow
2) slowly
3) slower
4) slowest
Correct Answer: slowly
Candidate Answer: slowly

QID : 115 - 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.

would spread _____ a loud noise.
Options:
1) within
2) with
3) at
4) during
Correct Answer: with
Candidate Answer: with

QID : 116 - 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.

had to be _____ opened to reduce

Options:
1) partly
2) some
3) none
4) everything
Correct Answer: partly
Candidate Answer: partly

QID : 117 - 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.

was achieved. _____ you wanted the flame Options:

1) If
2) Nor
3) So
4) Thus
Correct Answer: If
Candidate Answer: If

QID : 118 - In the following question, out of the four alternatives, select the alternative which best expresses the meaning of the idiom/phrase.

A bone of contention
Options:
1) The only part to which two arguing parties agree.
2) An issue over which there is continuing disagreement.
3) A very expensive inherited property.
4) To be happy with only a few things.
Correct Answer: An issue over which there is continuing disagreement.
Candidate Answer: An issue over which there is continuing disagreement.

QID : 119 - In the following question, out of the four alternatives, select the alternative which best expresses the meaning of the idiom/phrase.

Zip your lip

Options:
1) Keep quiet about something.
2) To talk fast.
3) To not think before speaking.
4) The silence before a storm.
Correct Answer: Keep quiet about something.
Candidate Answer: Keep quiet about something.

QID : 120 - In the following question, out of the four alternatives, select the alternative which is the best substitute of the words/sentence.

A military or political group that rules a country after taking power by force
Options:
1) Junta
2) Suffrage
3) Emancipation
4) Egalitarianism
Correct Answer: Junta
Candidate Answer: Junta

QID : 121 - In the following question, out of the four alternatives, select the alternative which is the best substitute of the words/sentence.

A person who lives outside his native country
Options:

1) Indigenous
2) Natal
3) Expatriate
4) Intrinsic
Correct Answer: Expatriate
Candidate Answer: Expatriate

QID : 122 - 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".

At the micro level, the dialectical process of development in India **(has now heading)** towards another direction.
Options:
1) had now heading
2) now heading
3) is now heading
4) no improvement
Correct Answer: is now heading
Candidate Answer: is now heading

QID : 123 - 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".

I wondered what one would have thought some 40 years ago if you **(had said)** you could heat liquid using a plastic container.
Options:
1) having said
2) had say
3) have saying
4) no improvement
Correct Answer: no improvement
Candidate Answer: [NOT ANSWERED]

QID : 124 - 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
Options:
1) ABC
2) CBA
3) CAB
4) BCA

Correct Answer: ABC

Candidate Answer: ABC

QID : 125 - In the following question, four words are given out of which one word is correctly spelt. Select the correctly spelt word .
Options:
1) arogance
2) arroganse
3) aroganse
4) arrogance
Correct Answer: arrogance
Candidate Answer: arrogance

QID : 126 - In the following question, select the related word pair from the given alternatives.

Current : Ampere : : ? : ?

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

विद्युत प्रवाह : एम्पियर : : ? : ?
Options:
1) Air : Kilogram

वायु : किलोग्राम

2) Work : Joule

कार्य : जूल

3) Pressure : Speed

दाब : गति

4) Temperature : Metre

तापमान : मीटर

Correct Answer: Work : Joule

कार्य : जूल

Candidate Answer: Work : Joule

कार्य : जूल

QID : 127 - In the following question, select the related number from the given alternatives.

14 : 16 : : 22 : ?

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

14 : 16 : : 22 : ?
Options:
1) 26

2) 29

3) 24

4) 28
Correct Answer: 24
Candidate Answer: 24

QID : 128 - In the following question, select the related letter/letters from the given alternatives.

ART : BSU : : MRV : ?

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

ART : BSU : : MRV : ?
Options:
1) KFT
2) NSW
3) MFG
4) NRV
Correct Answer: NSW
Candidate Answer: NSW

QID : 129 - 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) Car

कार

2) Cycle

साइकिल

3) Tyre

टायर

4) Truck

ट्रक

Correct Answer: Tyre

टायर

Candidate Answer: Tyre

टायर

QID : 130 - 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) 10 − 121
2) 12 − 169
3) 14 − 225
4) 16 − 279
Correct Answer: 16 − 279
Candidate Answer: 16 − 279

QID : 131 - 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) RTVX
2) GIKM
3) DFIK
4) LNPR
Correct Answer: DFIK
Candidate Answer: DFIK

QID : 132 - Arrange the given words in the sequence in which they occur in the dictionary.

1. Journey
2. Judge
3. Jingling

4. Jingle
5. Judgement

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

1. Journey
2. Judge
3. Jingling
4. Jingle
5. Judgement
Options:
1) 32541
2) 53142
3) 43125
4) 15342
Correct Answer: 43125
Candidate Answer: 43125

QID : 133 - In the following question, select the missing number from the given series.

11, 13, 16, 18, 21, ?

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

11, 13, 16, 18, 21, ?

Options:
1) 29
2) 25
3) 27
4) 23
Correct Answer: 23
Candidate Answer: 23

QID : 134 - 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, ?

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।

IM, JO, KQ, LS, ?
Options:
1) NV
2) MU
3) MY
4) NT

Correct Answer: MU
Candidate Answer: MU

QID : 135 - 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?

लड़कों की एक पंक्ति में, पुनीत का स्थान बायें छोर से 33-वाँ है तथा अंकित का स्थान दायें छोर से 25-वाँ है। उनके स्थानों को परस्पर बदलने के पश्चात, पुनीत का स्थान बायें छोर से 45-वाँ हो जाता है। पंक्ति में कितने लड़कें है?

Options:
1) 70
2) 71
3) 69
4) 74
Correct Answer: 69
Candidate Answer: 69

QID : 136 - From the given alternatives, select the word which **CANNOT** be formed using the letters of the given word.

Threatened

दिए गए विकल्पों में से वह शब्द चुनिए जो दिए गए शब्द के

अक्षरों का प्रयोग करके **नहीं** बनाया जा सकता है।

Threatened

Options:
1) Heart
2) Detain
3) Treat
4) Heated

Correct Answer: Detain

Candidate Answer: Detain

QID : 137 - 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?

एक विशिष्ट कोड भाषा में, **"book is tough"** को **"fu la mi"** लिखा जाता है, **"tough can easy"** को **"fu muk po"** लिखा जाता है तथा **"easy not book"** को **"ti po la"** लिखा जाता है। इस कोड भाषा में **"tough"** का कोड क्या है?

Options:
1) mi
2) po
3) la

4) fu

Correct Answer: fu

Candidate Answer: fu

QID : 138 - 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 = ?

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

2 - 12 + 10 x 5 ÷ 12 = ?
Options:
1) 32
2) 8
3) 4
4) 14

Correct Answer: 14

Candidate Answer: 14

QID : 139 - The following equation is incorrect.

Which two signs should be interchanged to correct the equation?

1 ÷ 14 x 30 + 20 - 10 = 12

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

1 ÷ 14 x 30 + 20 - 10 = 12
Options:
1) - and +
- और +
2) ÷ and x
÷ और x
3) x and -
x और -
4) + and ÷
+ और ÷
Correct Answer: + and ÷
+ और ÷

Candidate Answer: + and ÷
+ और ÷

QID : 140 - If 8*2 = 3, 14*18 = -2 and 18*2 = 8, then find the value of 14*10 = ?

यदि 8*2 = 3, 14*18 = -2 और 18*2 = 8, तो 14*10 का मान ज्ञात करें।

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

QID : 141 - Which of the following terms follows the trend of the given list?

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

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

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

Options:
1) xXXXXXX

2) XxXXXXX

3) XXXXXXx

4) XXxXXXX

Correct Answer: XXXXXXx
Candidate Answer: XXXXXXx

QID : 142 - 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?

एक ऑटो रिक्शा वाला एक यात्री को अपनी रिक्शा में बिठाता है और उत्तर की ओर 6.5 कि.मी. की यात्रा करता है, फिर वह अपनी बाईं तरफ मुड़ जाता है और आगे 1.5 कि.मी. तक जाता है, फिर वह दक्षिण की तरफ मुड़ता है और आगे 2.5 कि.मी. तक जाता है, फिर वह अपनी बाईं तरफ मुड़ता है और आगे 1.5 कि.मी. तक जाता है। अपनी शुरुआती स्थिति के संबंध में वह ऑटो अब कहां है?

Options:
1) 9 km North

9 कि.मी. उत्तर

2) 4 km South

4 कि.मी. दक्षिण

3) 4 km North

4 कि.मी. उत्तर

4) 9 km South

9 कि.मी.दक्षिण

Correct Answer: 4 km North

4 कि.मी. उत्तर

Candidate Answer: 4 km North

4 कि.मी. उत्तर

QID : 143 - 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

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 सामान्यतः ज्ञात तथ्यों से भिन्न प्रतीत होते हों। आपको निर्णय करना है की दिए गए निष्कर्षों में से कौन-सा/ कौन-से निश्चित रूप से कथन द्वारा सही निकाला जा सकता है/सकते हैं, यदि कोई हो।

कथन I: कोई भी बाइक्स दोपहिया वाहन नहीं होते
कथन II: सभी पहिये बाइक्स होते हैं

निष्कर्ष I: कोई भी दोपहिया वाहन पहिये नहीं होते
निष्कर्ष II: सभी पहिये दोपहिया वाहन 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:** Only conclusion I follows
केवल निष्कर्ष I सही है
Candidate Answer: Only conclusion I follows

केवल निष्कर्ष I सही है

QID : 144 -

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?

निम्नलिखित आकृति में, आयत चिकित्सकों को प्रदर्शित करता है, वृत्त पुष्प डिजाइनरों को प्रदर्शित करता है, त्रिभुज मूर्तिकारों को प्रदर्शित करता है और वर्ग अमेरिकियों को प्रदर्शित करता है। अक्षरों का कौन सा समूह उन अमेरिकियों को प्रदर्शित करता है जो पुष्प डिजाइनर या मूर्तिकार है?
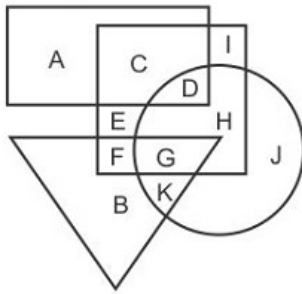
Options:
1) FGDH

2) FGK

3) FHJD

4) GK

Correct Answer: FGDH
Candidate Answer: FGDH

QID : 145 - 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, ?

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।

LOP, MPQ, NQR, ORS, ?
Options:
1) QTU

2) QST

3) PST

4) PTU
Correct Answer: PST
Candidate Answer: PST

QID : 146 - In the following question, select the missing number from the given series.

10, 12, 14, 16, 18, ?

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

10, 12, 14, 16, 18, ?
Options:
1) 22

2) 24

3) 20

4) 26
Correct Answer: 20
Candidate Answer: 20

QID : 147 - 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 तीसरी 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) (2, 3, 4)
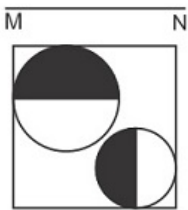**2**) (4, 5, 6)
3) (6, 7, 8)
4) (4, 6, 8)
Correct Answer: (4, 6, 8)
Candidate Answer: (4, 5, 6)

QID : 148 -

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:
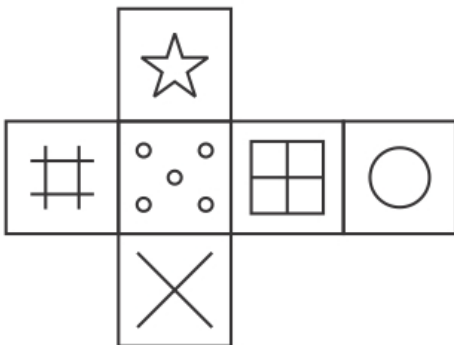**1**)

2)

3)

4)

Correct Answer:

Candidate Answer:

QID : 149 -

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 : 150 -

A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as shown in the given two matrices. The columns and rows of Matrix-I are numbered from 0 to 4 and that of Matrix-II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, for example 'H' can be represented by 12, 34 etc and 'Q' can be represented by 95, 86 etc. Similarly, you have to identify the set for the word 'BURN'.

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 'H' को 12, 34 आदि द्वारा दर्शाया जा सकता है तथा 'Q' को 95, 86 आदि द्वारा दर्शाया जा सकता है। इसी तरह से आपको प्रश्न में दिए शब्द 'BURN' के लिए समूह को पहचानना है।

Matrix I आव्यूह - 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 आव्यूह - 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

Options:
1) 43,69,13,56

2) 30,75,11,97

3) 10,98,79,95

4) 44,79,11,57

Correct Answer: 10,98,79,95

Candidate Answer: 10,98,79,95

QID : 151 -
Find the common factor of $\left(37^{57} + 43^{57}\right)$ and $\left(37^{37} + 43^{37}\right)$.

$\left(37^{57} + 43^{57}\right)$ और $\left(37^{37} + 43^{37}\right)$ का समापवर्तक ज्ञात कीजिये।

Options:
1) (43 - 37)
2) (43 + 37)

3) $(37^{37} + 43^{37})$

4) 10

Correct Answer: (43 + 37)

Candidate Answer: (43 + 37)

QID : 152 -

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

$\frac{(61681 \times 61681 - 31681 \times 31681)}{30000}$ का मान ज्ञात कीजिये|

Options:

1) 93352

2) 94362

3) 93362

4) 95362

Correct Answer: 93362

Candidate Answer: 93362

QID : 153 - For which value of 'g' the linear graph of 6x + 12y +9 = 0 and 2x + gy + 3 =0 has infinite number of solutions?

'g' के किस मान के लिए, 6x + 12y + 9 = 0 और 2x + gy + 3 = 0 के रेखीय ग्राफ में समाधानों की अनंत संख्या है?

Options:

1) 3

2) 4

3) 6

4) 9

Correct Answer: 4

Candidate Answer: 4

QID : 154 - 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?

x = -4, x = 2, y = -2 और y = 3 रेखाओ के ग्राफ़ द्वारा संलग्न आंकड़े का क्षेत्रफल (स्क्वायर इकाइयों में) क्या है?

Options:
1) 12
2) 24
3) 15
4) 60

Correct Answer: 15

Candidate Answer: 60

QID : 155 - AB is a chord of the circle and its center is "O". ON is perpendicular to AB. If the length of

AB=20 cm, ON-(2√11) cm, find the radius (in cm) of the circle.

AB वृत की जीवा है और वृत का केंद्र "O" है। यदि AB की लम्बाई 20 सें. मी., ON-(2√11) सें. मी. है, तो वृत की त्रिज्या (सें. मी. में) ज्ञात कीजिये।

Options:
1) 10
2) 12
3) 13
4) 15
Correct Answer: 12
Candidate Answer: 12

QID : 156 - The largest chord of the circle has a length of 20.4 cm. The radius of the circle will be ____.

वृत्त की सबसे बड़ी जीवा की लंबाई 20.4 सेमी है| वृत्त का त्रिज्या _____ है|

Options:
1) 10.2 cm
10.2 सेमी
2) greater than 10.2 cm

10.2 सेमी से बड़ी

3) greater than and equal to 10.2 cm

10.2 सेमी से बड़ी या बराबर

4) less than 10.2 cm

10.2 सेमी से कम

Correct Answer: 10.2 cm

10.2 सेमी

Candidate Answer: 10.2 cm

10.2 सेमी

QID : 157 - Length and breadth of a rectangle are increased by 40% and 70% respectively. What will be the percentage increase in the area of rectangle?

एक आयत की लम्बाई तथा चौड़ाई को क्रमशः 40% तथा 70% से बढ़ाया गया है। आयत के क्षेत्रफल में कितने प्रतिशत की वृद्धि होगी?

Options:
1) 118

2) 110

3) 138

4) 128

Correct Answer: 138
Candidate Answer: 138

QID : 158 - 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?

6300 रु को A, B तथा C में 1/2 : 1 : 3/5 के अनुपात में विभाजित किया गया है। B का हिस्सा (रु में) क्या है?

Options:
1) 3300

2) 2700

3) 3000

4) 4200

Correct Answer: 3000

Candidate Answer: 3000

QID : 159 - 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?

U तथा V ने क्रमशः 184000 रु तथा 224000 रु की राशि निवेश करके एक व्यापार शुरु किया। यदि वर्ष के अंत में प्राप्त हुए लाभ में U का हिस्सा 20700 रु है, तो उनके द्वारा मिलकर कमाया गया कुल लाभ (रु में) क्या होगा?

Options:
1) 43200

2) 45900

3) 52300

4) 56400

Correct Answer: 45900
Candidate Answer: 45900

QID : 160 - What is the average of first 19 odd numbers?

प्रथम 19 विषम संख्याओं का औसत क्या है?

Options:
1) 9.5

2) 15.5

3) 19

4) 38

Correct Answer: 19

Candidate Answer: 19

QID : 161 - 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?

एक राशि साधारण ब्याज से 2 वर्षों में 1392 रु तथा 3 वर्षों में 1488 रु हो जाती है। प्रति वर्ष ब्याज की दर (प्रतिशत में) क्या है?

Options:

1) 8

2) 10

3) 12

4) 8.5

Correct Answer: 8

Candidate Answer: 8

QID : 162 - Selling price of a table is Rs 2808. If profit percentage is 17%, then what is the cost price (in Rs) of table?

एक मेज़ का विक्रय मूल्य 2808 रु है। यदि लाभ प्रतिशत 17% है, तो मेज़ का क्रय मूल्य (रु में) क्या है?

Options:

1) 2288

2) 2300

3) 2400

4) 3285

Correct Answer: 2400

Candidate Answer: 2400

QID : 163 - 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?

एक कुर्सी का अंकित मूल्य उसके क्रय मूल्य से 40% अधिक है। यदि कुर्सी को 40 रु की छूट के पश्चात 520 रु में बेचा गया है, तो लाभ प्रतिशत क्या होगा?

Options:

1) 33

2) 40

3) 25

4) 30
Correct Answer: 30
Candidate Answer: 30

QID : 164 - Which of the following statement(s) is/are **TRUE**?

I. 2√3 > 3√2
II. 4√2 > 2√8

निम्नलिखित में से कौन सा/से कथन **सत्य** है/हैं?

I. 2√3 > 3√2
II. 4√2 > 2√8
Options:
1) Only I

केवल I

2) Only II

केवल II

3) Neither I nor II

न तो I न ही II

4) Both I and II

I तथा II दोनों

Correct Answer: Neither I nor II
न तो I न ही II
Candidate Answer: Neither I nor II
न तो I न ही II

QID : 165 - 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?

X, Y तथा Z एक कार्य को क्रमशः 30, 40 तथा 50 दिनों में पूरा कर सकते हैं। तीनों मिलकर कार्य की शुरूआत करते हैं परंतु Y कार्य समाप्त होने से 4 दिन पूर्व कार्य छोड़कर चला जाता है। कार्य कितने दिनों में पूरा हुआ होगा?

Options:
1) 660/47
2) 640/47
3) 680/47
4) 665/47

Correct Answer: 660/47
Candidate Answer: 660/47

QID : 166 - A train is moving at the speed of 72 km/hr. How many seconds will it take to cover a

distance of 1400 m ?

एक रेलगाड़ी 72 कि.मी./घंटा की गति से चल रही है। 1400 मी. की दूरी तय करने में वह कितने सेकण्ड लेगी?

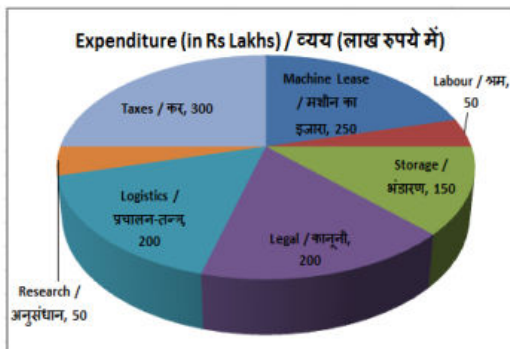**Options:**

1) 70

2) 80

3) 72

4) 84

Correct Answer: 70

Candidate Answer: 70

QID : 167 -

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

यह पाइ चार्ट वर्ष 2017 के लिए खनन कंपनी के व्यय का विभाजन प्रदर्शित करता है। इस आरेख का अध्ययन करें और निम्नलिखित प्रश्नों के उत्तर दें।

The second highest expenditure is for which item?

दूसरा सर्वाधिक व्यय किस मद पर किया जाता है ?

Options:
1) Labour

श्रम
2) Storage

भंडारण
3) Legal

कानूनी
4) Machine Lease

मशीन का इजारा
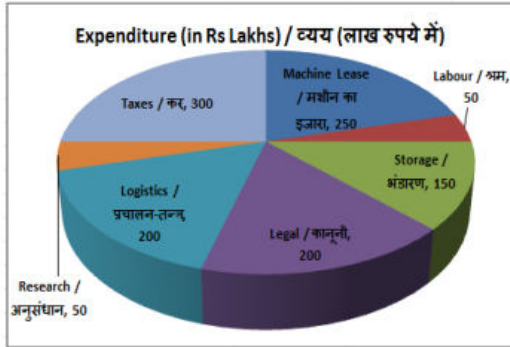**Correct Answer:** Machine Lease

मशीन का इजारा
Candidate Answer: Machine Lease

मशीन का इजारा

QID : 168 -

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

यह पाइ चार्ट वर्ष 2017 के लिए खनन कंपनी के व्यय का विभाजन प्रदर्शित करता है। इस आरेख का अध्ययन करें और निम्नलिखित प्रश्नों के उत्तर दें।

Expenditure (in Rs Lakhs) / व्यय (लाख रुपये में)

What is the total expenditure (in Rs lakhs)?

कुल व्यय (लाख रु में) क्या है ?

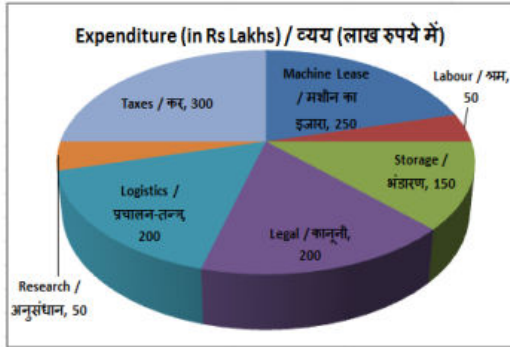**Options:**
1) 1200
2) 900
**3**) 1000
4) 1100

Correct Answer: 1200
Candidate Answer: 1200

QID : 169 -

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

यह पाइ चार्ट वर्ष 2017 के लिए खनन कंपनी के व्यय का विभाजन प्रदर्शित करता है। इस आरेख का अध्ययन करें और निम्नलिखित प्रश्नों के उत्तर दें।

Expenditure (in Rs Lakhs) / व्यय (लाख रुपये में)

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

मशीन का इजारा का प्रतिनिधित्व करने वाले क्षेत्र के केंद्रीय कोण का माप _____ डिग्री है।

Options:
1) 70
2) 75
3) 80
4) 90
Correct Answer: 75
Candidate Answer: 75

QID : 170 -

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

यह पाइ चार्ट वर्ष 2017 के लिए खनन कंपनी के व्यय का विभाजन प्रदर्शित करता है। इस आरेख का अध्ययन करें और निम्नलिखित प्रश्नों के उत्तर दें।
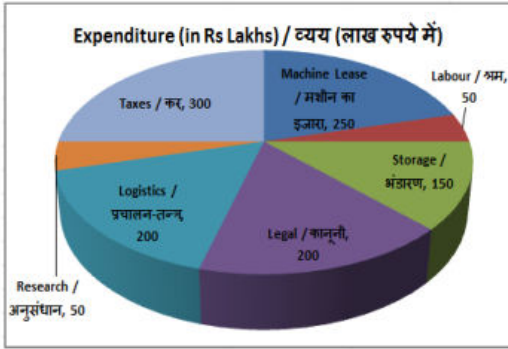
Expenditure on Labour and Research constitute what percent of total expenditure?

श्रम और अनुसंधान पर किया जाने वाला व्यय कुल व्यय का कितना प्रतिशत है?

Options:
1) 10%

2) 12%

3) 7.5%

4) 8.33%
Correct Answer: 8.33%
Candidate Answer: 8.33%

QID : 171 - The length of the diagonal and the breadth of a rectangle are 17 cm and 8 cm respectively. Find its perimeter (in cm).

एक आयत की विकर्ण की लंबाई और उसकी चौड़ाई क्रमशः 17 सें.मी. और 8 सें.मी. है। इसका परिमाप (सें.मी. में) ज्ञात करें।

Options:
1) 92
2) 46
3) 42
4) 84
Correct Answer: 46
Candidate Answer: 46

QID : 172 - The area of a semicircle is 1925 cm^2. Calculate its perimeter (in cm).

एक अर्धवृत्त का क्षेत्रफल 1925 वर्ग सें.मी. है। इसके

परिमाप (सें.मी. में) की गणना करें।

Options:
1) 360
2) 80
3) 160
4) 180
Correct Answer: 180
Candidate Answer: 180

QID : 173 - The surface area of a sphere is 5544 cm^2. Find its diameter (in cm).

एक गोले के सतह का क्षेत्रफल 5544 वर्ग सें.मी. है। इसका व्यास (सें.मी. में) ज्ञात करें।

Options:
1) 42
2) 21
3) 84
4) 63
Correct Answer: 42
Candidate Answer: 42

QID : 174 - ΔABC is right angled at B. If m∠A = 45°, then find the value of (cosecC + 1/√3).

ΔABC में B पर समकोण है। यदि m∠A = 45° है, तो

(cosecC + 1/√3) का मान ज्ञात करें।

Options:
1) (3√2+1)/3
2) (2+√3)/2
3) 5/√3
4) (√6+1)/√3

Correct Answer: (√6+1)/√3

Candidate Answer: (√6+1)/√3

QID : 175 - In ΔUVW measure of angle V is 90^0. If cosecU = 13/12, and UV = 2.5cm, then what is the length (in cm) of side VW?

ΔUVW में कोण V का माप 90^0 है। यदि cosecU = 13/12 और UV = 2.5 सें.मी., तो भुजा VW की लंबाई (सें.मी. में) क्या है?

Options:
1) 6.5
2) 6
3) 4
4) 5.6

Correct Answer: 6

Candidate Answer: 6

QID : 176 - In which of the following types of economy are the factors of production owned

individually?

निम्नलिखित अर्थव्यवस्था में से कौन उत्पादन के कारकों पर व्यक्तिगत स्वामित्व रखता है?

Options:
1) Capitalist

पूंजीवादी

2) Socialist

समाजवादी

3) Mixed

मिश्रित

4) Both Capitalist and Socialist

पूंजीवादी और समाजवादी दोनों

Correct Answer: Capitalist

पूंजीवादी

Candidate Answer: Capitalist

पूंजीवादी

QID : 177 - Which committee was set up to review the concept of the poverty line?

गरीबी रेखा की अवधारणा की समीक्षा के लिए कौन-सी समिति गठित की गई थी?

Options:

1) S Tendulkar Committee

एस तेंदुलकर समिति

2) Lakdawala Committee

लकड़ावाला समिति

3) Wanchoo Committee

वांचू समिति

4) Dutt Committee

दत्त समिति

Correct Answer: S Tendulkar Committee

एस तेंदुलकर समिति

Candidate Answer: [NOT ANSWERED]

QID : 178 - Which of the following places presents the oldest evidence of Neolithic Era?

निम्न में से कौन-सा स्थल नवपाषाण युग का प्राचीनतम प्रमाण प्रस्तुत करता है?

Options:

1) Chirnd

चिरंद

2) Mehrgarh

मेहरगढ़

3) Burghome

बुर्जहोम

4) Daimabad

दैमाबाद

Correct Answer: Mehrgarh

मेहरगढ़

Candidate Answer: [NOT ANSWERED]

QID : 179 - Which mosque is considered to be the style of Bengal style in Agra?

आगरा में किस मस्जिद पर बंगाल शैली का प्रभाव माना जाता है?

Options:
1) Nagina Masjid

नगीना मस्जिद

2) Moti Masjid

मोती मस्जिद

3) Jama Masjid

जामा मस्जिद

4) Badshahi Masjid

बादशाही मस्जिद

Correct Answer: Nagina Masjid

नगीना मस्जिद

Candidate Answer: Jama Masjid

जामा मस्जिद

QID : 180 - According to the distance of planets from the Sun, which of the following order is correct?

सूर्य से बढ़ती दूरी के अनुसार ग्रहों का निम्नलिखित में से कौन-सा क्रम सही है?

Options:
1) Mercury, Venus, Earth, Mars

बुध, शुक्र, पृथ्वी, मंगल

2) Mercury, Earth, Mars, Venus

बुध, पृथ्वी, मंगल, शुक्र

3) Mercury, Mars, Earth, Venus

बुध, मंगल, पृथ्वी, शुक्र

4) Mercury, Mars, Venus, Earth

बुध, मंगल, शुक्र, पृथ्वी

Correct Answer: Mercury, Venus, Earth, Mars

बुध, शुक्र, पृथ्वी, मंगल

Candidate Answer: Mercury, Venus, Earth, Mars

बुध, शुक्र, पृथ्वी, मंगल

QID : 181 - How many states of India have sea-shore?

भारत के कितने राज्यों में समुद्र तट हैं?

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

Correct Answer: 9

Candidate Answer: [NOT ANSWERED]

QID : 182 - Amir Khusrow was the disciple of whom?

अमीर खुसरो किसके शिष्य थे?

Options:
1) Mirza Ghiyas Beg

मिर्ज़ा ग्यासबेग

2) Nizamuddin Auliya

निजामुद्दीन औलिया

3) Asadulla Beg

असदुल्ला बेग

4) Sheikh Salim Chisti

शेख सलीम चिश्ती

Correct Answer: Nizamuddin Auliya

निजामुद्दीन औलिया

Candidate Answer: Mirza Ghiyas Beg

मिर्ज़ा ग्यासबेग

QID : 183 - Which year has been set as goal for completing the Mumbai-Ahmedabad bullet train project operated with the help of Japan?

जापान की सहायता से संचालित मुंबई-अहमदाबाद बुलेट ट्रेन परियोजना को पूरा करने के लिए किस वर्ष का लक्ष्य निर्धारित किया गया है?

Options:
1) 2022
2) 2023
3) 2024
4) 2025
Correct Answer: 2023
Candidate Answer: 2022

QID : 184 - Krishna Sobti is the recipient of the 53rd Jnanpith Award. Which of the following books has not been written by her?

कृष्णा सोबती 53वें ज्ञानपीठ पुरस्कार की प्राप्तकर्ता हैं। निम्नलिखित में से कौन-सी पुस्तक उनके द्वारा नहीं लिखी गई है?

Options:
1) Daar Se Bichhudi

डर से बिछुड़ी

2) Mitro Marjani

मित्रो मरजानी

3) Zindaginama

जिंदगीनामा

4) Vishw Mithok Sarit Sagar

विश्व मिथक सरित सागर

Correct Answer: Vishw Mithok Sarit Sagar

विश्व मिथक सरित सागर

Candidate Answer: Mitro Marjani

मित्रो मरजानी

QID : 185 - Which of the following countries border does not touch China?

निम्नलिखित में किस देश की सीमा चीन से नहीं लगती है?

Options:
1) Cambodia

कम्बोडिया

2) Laos

लाओस

3) Vietnam

वियतनाम
4) Myanmar
म्यांमार
Correct Answer: Cambodia
कम्बोडिया
Candidate Answer: [NOT ANSWERED]

QID : 186 - Rayon is obtained from which among the following?

रेयॉन निम्नलिखित में से किससे प्राप्त किया जाता है?

Options:
1) Silk
रेशम
2) Wood pulp
काष्ठ लुगदी
3) Wool
ऊन
4) Cotton
कपास
Correct Answer: Wood pulp
काष्ठ लुगदी
Candidate Answer: Silk
रेशम

QID : 187 - Which of the following can be beaten and converted into thin sheets?

निम्नलिखित में से किसको पीटकर पतली चादर में परिवर्तित किया जा सकता है?

Options:
1) Zinc

जस्ता

2) Phosphorus

फॉस्फोरस

3) Sulphur

सल्फर

4) Oxygen

ऑक्सीजन

Correct Answer: Zinc

जस्ता

Candidate Answer: Zinc

जस्ता

QID : 188 - 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

भारत के प्रधानमंत्री निम्नलिखित में से किन निकायों के वस्तुत: मुखिया होते है?

I. नीति आयोग

II. राष्ट्रीय एकता परिषद्

III. भारतीय वन्य जीव बोर्ड

Options:
1) Only I
केवल I
2) Only II
केवल II
3) Both II and III
II तथा III दोनों
4) All I, II and III
I, II तथा III सभी
Correct Answer: All I, II and III
I, II तथा III सभी
Candidate Answer: [NOT ANSWERED]

QID : 189 - Which type of city administration controls larger urban area?

नगर प्रशासन का कौन सा प्रकार बड़े शहरी क्षेत्रों का नियंत्रण करता है?

Options:
1) Nagar Panchayat
नगर पंचायत
2) Municipal Council
नगरपालिका परिषद
3) Municipal Corporation
नगर निगम
4) No option is correct.
कोई विकल्प सही नहीं है।

Correct Answer: Municipal Corporation
नगर निगम

Candidate Answer: Municipal Corporation
नगर निगम

QID : 190 - Which among the following is **NOT** an event during the photosynthesis process?

निम्नलिखित में से कौन सी प्रकाश संश्लेषण प्रक्रम के दौरान एक घटना **नहीं** है?

Options:
1) Absorption of light energy by chlorophyll
पर्णहरित (क्लोरोफिल) द्वारा प्रकाश उर्जा का अवशोषण

2) Conversion of light energy to chemical energy

प्रकाश उर्जा को रासायनिक उर्जा में रूपांतरण

3) Splitting of water molecules into hydrogen and oxygen

जल अणुओं का हाइड्रोजन तथा ऑक्सीजन में अपघटन

4) Oxidation of carbon dioxide to carbohydrates

कार्बन डाइऑक्साइड का कार्बोहाइड्रेट में ऑक्सीकरण

Correct Answer: Oxidation of carbon dioxide to carbohydrates

कार्बन डाइऑक्साइड का कार्बोहाइड्रेट में ऑक्सीकरण

Candidate Answer: [NOT ANSWERED]

QID : 191 - The smallest blood vessels which are one-cell thick, are called _____.

सबसे छोटी वाहिकाएँ जो एक कोशिकीय मोटी होती है, _____ कहलाती है।

Options:

1) vena cava

महाशिरा

2) arteries

धमनियाँ

3) veins

शिराएँ

4) capillaries

केशिकाएँ

Correct Answer: capillaries

केशिकाएँ

Candidate Answer: capillaries

केशिकाएँ

QID : 192 - In September 2017, who launched 'Pradhan Mantri LPG Panchayat Yojna'?

सितम्बर 2017 में, 'प्रधानमंत्री एलपीजी पंचायत योजना' का लोकार्पण किसने किया?

Options:
1) Narendra Modi
नरेंद्र मोदी
2) Dharmendra Pradhan
धर्मेंद्र प्रधान
3) Piyush Goyal
पीयूष गोयल
4) R.K. Singh
आर.के. सिंह

Correct Answer: Dharmendra Pradhan

धर्मेंद्र प्रधान

Candidate Answer: Dharmendra Pradhan

धर्मेंद्र प्रधान

QID : 193 - What are the names of the two identical long tailed macaques cloned by the Chinese Scientists?

चीन के वैज्ञानिकों द्वारा क्लोन किए गए दो अभिन्न लंबी-पूँछ वाले मकैकों के नाम क्या हैं?

Options:
1) Long Hong and Zhua Zhua
लॉन्ग होन्ग तथा झुआ झुआ
2) Zhong-Zhong and Hua Hua
झॉन्ग-झॉन्ग तथा हुआ हुआ
3) Tailong and Shanua
तैलंग तथा शानुआ
4) Rongla and Shamone
रोंगला तथा शमौने

Correct Answer: Zhong-Zhong and Hua Hua
झॉन्ग-झॉन्ग तथा हुआ हुआ
Candidate Answer: Rongla and Shamone
रोंगला तथा शमौने

QID : 194 - India was able to achieve the fiscal deficit target for the Financial Year 2016-17. It was how much percent of GDP?

भारत वित्तीय वर्ष 2016-17 के लिए राजकोषीय घाटा लक्ष्य हासिल करने में सफल रहा। वह जीडीपी का कितना प्रतिशत था?

Options:
1) 3.50%

2) 4.20%

3) 3.00%

4) 2.50%

Correct Answer: 3.50%
Candidate Answer: [NOT ANSWERED]

QID : 195 - 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 _____.

10 अप्रैल 2017 को, लोकसभा ने मोटर वाहन अधिनियम (संशोधन) विधेयक, 2016 पास किया। नए प्रावधानों के अंतर्गत मृत्यु के लिए मुआवजा 25,000 रु से बढ़ाकर _____ हो गया।

Options:
1) Rs 2 lakh or more

2 लाख रु अथवा अधिक

2) Rs 5 lakh or more

5 लाख रु अथवा अधिक

3) Rs 10 lakh or more

10 लाख रु अथवा अधिक

4) Rs 15 lakh or more

15 लाख रु अथवा अधिक

Correct Answer: Rs 2 lakh or more

2 लाख रु अथवा अधिक

Candidate Answer: [NOT ANSWERED]

QID : 196 - Find the current (in A) when a charge of 500 Coulomb flows in 25 seconds.

यदि 500 कूलम्ब का आवेश 25 सेकंड के लिए प्रवाहित होता है तो धारा की गणना (A में) करें।

Options:
1) 12500
2) 20
3) 40
4) 6250

Correct Answer: 20

Candidate Answer: 20

QID : 197 - During _____ motion of an object

along a straight line, the velocity remains constant with time.

किसी वस्तु की _____ गति के दौरान समय के साथ इसका वेग नियत रहता है।

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

Correct Answer: uniform
एकसमान

Candidate Answer: uniform
एकसमान

QID : 198 - The tropical region has generally a hot climate because of its location around the _____.

उष्णकटिबंधीय क्षेत्रों की जलवायु सामान्यत: गर्म होती है

क्योंकि ये ____ क्षेत्र के आसपास स्थित होते हैं।

Options:

1) poles

ध्रुव

2) southern hemisphere

दक्षिणी गोलार्द्ध

3) high altitudes

अधिक उंचाई

4) equator

भूमध्यरेखा

Correct Answer: equator

भूमध्यरेखा

Candidate Answer: equator

भूमध्यरेखा

QID : 199 - 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.

निम्नलिखित में से कौन सा कथन सत्य है?

A) संयुक्त अरब अमीरात ने बैडमिन्टन 2017 बीडब्ल्यूएफ वर्ल्ड सीनियर चैम्पियनशिप की मेजबानी की।

B) जोहन्ना कोंटा ने टेनिस 2017 मियामी ओपन वूमेंस सिंगल्स जीता।

C) ग्रिगोर दिमित्रोव ने टेनिस 2017 यूएस ओपन मेन्स सिंगल्स जीता।

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

Correct Answer: Only B
केवल B

Candidate Answer: A, B and C
A, B और C

QID : 200 - In Microsoft Word, under character formatting _____ is used to apply colors to the

characters.

माइक्रोसॉफ्ट वर्ड में, कैरेक्टर फ़ॉर्मेटिंग के अंतर्गत, ____ का उपयोग संप्रतीकों को रंगने के लिए किया जाता है।

Options:
1) Font style
फॉन्ट शैली
2) Font color
फॉन्ट का रंग
3) Effects
प्रभाव
4) Size
आकार

Correct Answer: Font color
फॉन्ट का रंग

Candidate Answer: Font color
फॉन्ट का रंग

SSC CHSL 5 March 2018 Evening Shift

Quant

Instructions

For the following questions answer them individually

Question 1

Arrange the fractions $\frac{3}{4}, \frac{5}{12}, \frac{13}{16}, \frac{16}{29}, \frac{3}{8}$ ascending order of magnitude

A $\frac{3}{4} < \frac{3}{8} < \frac{13}{16} < \frac{16}{29} < \frac{5}{12}$

B $\frac{3}{8} < \frac{5}{12} < \frac{16}{29} < \frac{3}{4} < \frac{13}{16}$

C $\frac{3}{8} < \frac{5}{12} < \frac{16}{29} < \frac{13}{16} < \frac{3}{4}$

D $\frac{3}{8} < \frac{5}{12} < \frac{13}{16} < \frac{16}{29} < \frac{3}{4}$

Answer: B

Explanation:

Fractions : $\frac{3}{4}, \frac{5}{12}, \frac{13}{16}, \frac{16}{29}, \frac{3}{8}$

L.C.M. of denominators (4,12,16,29,8) = 1392

Thus, fractions are changed to : $\frac{1044}{1392}, \frac{580}{1392}, \frac{1131}{1392}, \frac{768}{1392}, \frac{522}{1392}$

Now the denominators are equal and fraction are arranged on the basis of numerators

$= \frac{522}{1392} < \frac{580}{1392} < \frac{768}{1392} < \frac{1044}{1392} < \frac{1131}{1392}$

$\equiv \frac{3}{8} < \frac{5}{12} < \frac{16}{29} < \frac{3}{4} < \frac{13}{16}$

=> Ans - (B)

Question 2

Calculate the value of $\frac{\sqrt{3}}{(3+\sqrt{3})}$ if $\sqrt{3} = 1.7320$

A 0.366

B 0.566

C 0.356

D 0.346

Answer: A

Explanation:

Expression : $\frac{\sqrt{3}}{(3+\sqrt{3})}$ if $\sqrt{3} = 1.7320$

Rationalizing the denominator :

$= \frac{\sqrt{3}}{(3+\sqrt{3})} \times \frac{(3-\sqrt{3})}{(3-\sqrt{3})}$

$= \frac{\sqrt{3}(3-\sqrt{3})}{(3)^2-(\sqrt{3})^2} = \frac{3\sqrt{3}-3}{9-3}$

$= \frac{\sqrt{3}-1}{2} = \frac{(1.7320-1)}{2}$

$= \frac{0.7320}{2} = 0.366$

=> Ans - (A)

Question 3

Determine the value of 'a' which satisfies the equation $9^{\sqrt{a}} + 40^{\sqrt{a}} = 41^{\sqrt{a}}$

A   1

B   2

C   3

D   4

   Answer: D

Explanation:
Expression : $9^{\sqrt{a}} + 40^{\sqrt{a}} = 41^{\sqrt{a}}$

Since equation consists of natural numbers, then 'a' must be an integer. Thus, substituting 'a' by perfect square numbers :

Put $a = 1$

=> $9^{\sqrt{1}} + 40^{\sqrt{1}} = 41^{\sqrt{1}}$

L.H.S. = $9 + 40 = 49 \neq$ R.H.S.

Now, putting $a = 4$

=> $9^{\sqrt{4}} + 40^{\sqrt{4}} = 41^{\sqrt{4}}$

L.H.S. = $9^2 + 40^2 = 81 + 1600 = 1681$

R.H.S. = $41^2 = 1681$

Thus, $a = 4$

=> Ans - (D)

Question 4

5 bottles cost as much as 2 bags. The cost of 15 bottles and 4 bags is Rs 2,000. What is the price (in Rs.) of a single bag?

A 200

B 215

C 240

D 250

  Answer: A

Explanation:
Let price of a single bag = Rs. x and price of a bottle = Rs. y

5 bottles cost as much as 2 bags => $5y = 2x$

Multiplying both sides by 3, we get : $15y = 6x$ -----------(i)

According to ques, => $4x + 15y = 2000$

Substituting value from equation (i), => $4x + 6x = 2000$

=> $x = \frac{2000}{10} = Rs.\,200$

=> Ans - (A)

Question 5

If any two sides of a triangle are divided by the line in the same ratio, then the line must be _____ to the third side of the triangle.

A equal

B parallel

C perpendicular

D non parallel

  Answer: B

Explanation:
According to the Basic Proportionality Theorem, if any two sides of a triangle are divided by the line in the same ratio, then the line must be **parallel** to the third side of the triangle.

=> Ans - (B)

Question 6

If the radius of a circumscribed circle in an equilateral triangle is 14 cm. Then what will be the radius (in cm) of the inscribed circle?

A 7

B 14

C 28

D 35

  Answer: A

Explanation:

In any triangle ratio of circumradius to inradius = $2:1$

According to ques, circumradius = 14 cm

=> Inradius = $\frac{14}{2} = 7$ cm

=> Ans - (A)

Question 7

If 35% of (x + y) = 40% of (x - y), then x is what percentage of y?

A 1500

B 150

C 15

D 105

  Answer: A

Explanation:

Expression : 35% of (x + y) = 40% of (x - y)

=> $\frac{35}{100} \times (x + y) = \frac{40}{100} \times (x - y)$

=> $35x + 35y = 40x - 40y$

=> $40x - 35x = 35y + 40y$

=> $5x = 75y$

=> $\frac{x}{y} = \frac{75}{5} = 15$

∴ Required % = $15 \times 100 = 1500\%$

=> Ans - (A)

Question 8

The ratio of two numbers is 6 : 11 and their difference is 65. What will be the smaller number among both the numbers?

A   58

B   65

C   52

D   78

Answer: D

Explanation:

Let the numbers be $6x$ and $11x$

Difference = $11x - 6x = 65$

=> $x = \frac{65}{5} = 13$

$\therefore$ Smaller number = $6 \times 13 = 78$

=> Ans - (D)

Question 9

In a mixture of milk and water, there is 19% milk. If the quantity of milk in the mixture is 437 mililitres, then what is the total quantity (in millilitres) of mixture?

A   2300

B   2200

C   2350

D   2400

Answer: A

Explanation:

Let total quantity of mixture (milk+water) = $100x$ ml

=> Quantity of milk = $\frac{19}{100} \times 100x = 19x$ ml

Also, it is given that quantity of milk = 437 ml

=> $19x = 437$

=> $x = \frac{437}{19} = 23$

$\therefore$ Total quantity of mixture = $100 \times 23 = 2300$ ml

=> Ans - (A)

Question 10

If in the population of a town there is an increase of 44% in the first year and 75% in the second year, then what is the average rate of increase in the population?

A   45%

B   59.5%

C   74%

D   76%

   Answer: D

Explanation:
Let population of town initially = $100x$

Population after 44% increase in 1st year = $100x + \frac{44}{100} \times 100x = 144x$

Population after 75% increase in 2nd year = $144x + \frac{75}{100} \times 144x = 252x$

Thus, rate of increase in population = $\frac{(252x-100x)}{100x} \times 100 = 152\%$

=> Average rate of increase in the population in 2 years = $\frac{152}{2} = 76\%$

=> Ans - (D)

Question 11

A sum of Rs 2000 becomes Rs 3645 in 2 years at a certain rate of compound interest. What will be the sum (in Rs) after 4 years?

A   5942.1 25

B   6643.0125

C   7243.0125

D   7498.125

   Answer: B

Explanation:
Principal amount = Rs. 2000

Amount after 2 years = Rs. 3645

Amount under compound interest = $P(1 + \frac{R}{100})^T$

=> $2000(1 + \frac{r}{100})^2 = 3645$

=> $(1 + \frac{r}{100})^2 = \frac{3645}{2000} = 1.8225$

Squaring both sides, => $(1 + \frac{r}{100})^4 = 3.32150625$ --------------(i)

$\therefore$ Sum after 4 years = $P(1 + \frac{r}{100})^4$

Substituting value from equation (i), we get :

= $2000 \times 3.32150625 = Rs.\, 6643.0125$

=> Ans - (B)

Question 12

Mohit sells a table at a profit of 25%. If he reduces its selling price by Rs 240, then he suffers a loss of 5%. What was the initial selling price (in Rs) of the table?

A 800

B 1000

C 1040

D 1120

Answer: B

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

Profit % = 25%

=> Selling price = $100x + \frac{25}{100} \times 100x = Rs.\, 125x$

If he reduces its selling price by Rs 240, then new Selling price = Rs. $(125x - 240)$

Now, loss % = $\frac{(C.P. - S.P.)}{C.P.} \times 100$

=> $\frac{100x - (125x - 240)}{100x} \times 100 = 5$

=> $240 - 25x = 5x$

=> $5x + 25x = 30x = 240$

=> $x = \frac{240}{30} = 8$

$\therefore$ Initial selling price = $125 \times 8 = Rs.\, 1000$

=> Ans - (B)

Question 13

If two successive discounts of 25% and 30% are given, then what will be the ratio of marked price to selling price?

A 20 : 7

B 40 : 21

C 20 : 17

D 40 : 33

   Answer: B

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

Price after 1st discount of 25% = $100x - \frac{25}{100} \times 100x = Rs.\,75x$

Selling Price after 2nd discount of 30% = $75x - \frac{30}{100} \times 75x = Rs.\,52.5x$

=> Ratio of marked price to selling price = $\frac{100x}{52.5x}$

= $\frac{1000}{525} = 40 : 21$

=> Ans - (B)

Question 14

If 49 is subtracted from the square of a number, then the result obtained is 576. What is the number?

A 24

B 25

C 23

D 27

   Answer: B

Explanation:
Let the number be x

According to ques,

=> $x^2 - 49 = 576$

=> $x^2 = 576 + 49 = 625$

=> $x = \sqrt{625} = 25$

=> Ans - (B)

Question 15

P, Q and R together can make a table in 40 minutes. P and Q together can make it in 60 minutes. How much time (in minutes) will R alone take to make the table?

A 100

B 120

C 90

D 150

Answer: B

Explanation:

Let total manwork required to build the table = L.C.M. (40,60) = 120 units

P, Q and R together can make the table in 40 minutes.

=> Total efficiency of P, Q and R together = $\frac{120}{40} = 3$ units/min

Similarly, (P+Q)'s efficiency = $\frac{120}{60} = 2$ units/min

=> R's efficiency = $3 - 2 = 1$ unit/min

∴ Time required by R alone to build the table = $\frac{120}{1} = 120$ minutes

=> Ans - (B)

Question 16

Two trains are running in opposite directions with the same speed. If the length of each train is 486 metres and they cross each other in 27 seconds, then what is the speed (in km/hr) of each train?

A 55

B 56 .4

C 64.8

D 73.2

Answer: C

Explanation:

Let speed of each train = x km/hr

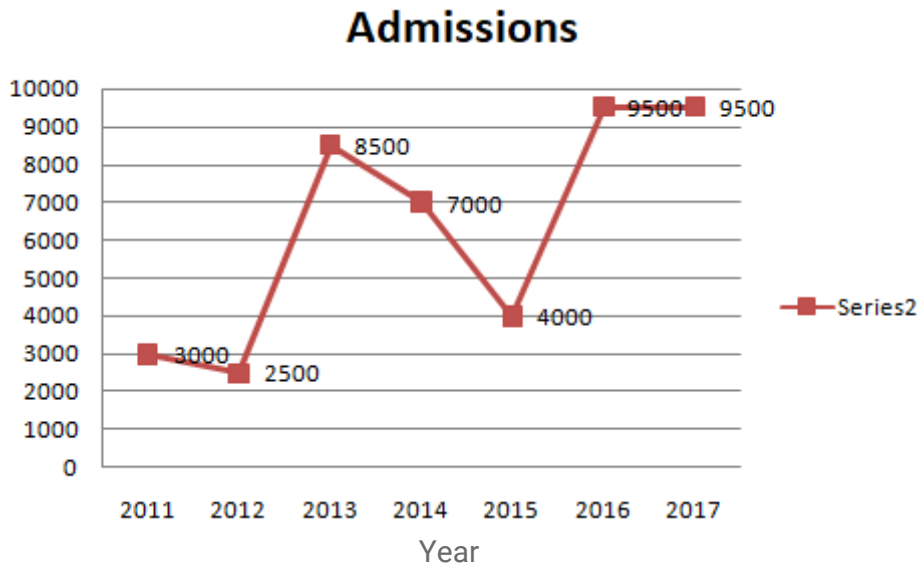Since, the trains are running in opposite directions, then total length = 486 m

Speed = $\frac{486}{27} = 18$ m/s

=> Speed (in km/hr) = $18 \times \frac{18}{5} = 64.8$

=> Ans - (C)

Instructions

The line graph shows the number of students admitted in the give year to a certain Uniiversity. Study the diagram and answer the following questions.

Admissions

Question 17

In which year were admissions greater than that of the previous year?

A 2013

B 2012

C 2015

D 2014

Answer: A

Explanation:

Number of more admissions in 2013 than in 2012 = $8500 - 2500 = 6000$

Number of more admissions in 2016 than in 2015 = $9500 - 4000 = 5500$

=> In **2013**, admissions were greater than that of the previous year.

=> Ans - (A)

Question 18

What was the difference in admissions between the years 2016 and 2012?

A 6000

B 7500

C 6500

D 7000

Answer: D

Explanation:

Number of admissions in 2012 = 2500

Number of admissions in 2016 = 9500

=> Required difference = $9500 - 2500 = 7000$

=> Ans - (D)

Question 19

Admissions in 2016 were greater than that in 2015 by _____.

A   117.50 %

B   137.50%

C   45%

D   55%

   Answer: B

Explanation:

Number of admissions in 2015 = 4000

Number of admissions in 2016 = 9500

=> Required % increase = $\frac{(9500-4000)}{4000} \times 100$

= $\frac{550}{4} = 137.50\%$

=> Ans - (B)

Question 20

If average fees per student collected in 2014 was Rs 20,000 what were the total fees collected (in Rs lakhs) in 2014?

A   1400

B   1500

C   1700

D   1600

   Answer: A

Explanation:

Number of admissions in 2014 = 7000

Average fees collected in 2014 = Rs. 20,000

=> Total fees collected = 7000 $\times$ 20,000

= Rs. 1400 lakhs

=> Ans - (A)

Instructions

For the following questions answer them individually

Question 21

The perimeter and the breadth of a rectangle are 44 cm and 10 cm respectively. Find its area cm^2

A   60

B   240

C   120

D   180

  Answer: C

Explanation:

Let length of rectangle = l cm and breadth = 10 cm

=> Perimeter = $2(l + 10) = 44$

=> $l + 10 = \frac{44}{2} = 22$

=> $l = 22 - 10 = 12$ cm

$\therefore$ Area = $12 \times 10 = 120 \ cm^2$

=> Ans - (C)

Question 22

What is the measure (in degree) of an exterior angle of a regular polygon of 9 sides?

A   36

B   40

C   30

D   24

  Answer: B

Explanation:

Sum of exterior angles of any polygon = $360°$

=> Measure of each exterior angle of regular polygon with 9 sides = $\frac{360°}{9} = 40°$

=> Ans - (B)

Question 23

Find the volume in cm^3 of a right circular cylinder of diameter 21 cm and height 10 cm.

A 3118

B 3275

C 3621

D 3465

Answer: D

Explanation:

Radius of cylinder = $\frac{21}{2}$ = 10.5 cm and height = 10 cm.

=> Volume of cylinder = $\pi r^2 h$

= $\frac{22}{7} \times 10.5 \times 10.5 \times 10$

= $22 \times 15 \times 10.5 = 3465 \, cm^3$

=> Ans - (D)

Question 24

$\triangle ABC$ **is right angled at** B**. If** $m\angle c = 60°$**, then find the value of** $\left(\cot A - \frac{1}{2}\right)$ **?**
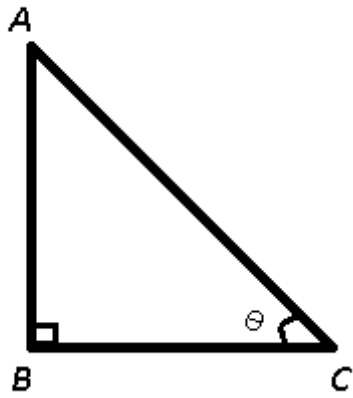
A $-\frac{1}{\sqrt{3}}$

B $\frac{(3-\sqrt{2})}{3\sqrt{2}}$

C $\frac{(2\sqrt{3}-1)}{2}$

D $\frac{(\sqrt{2}-\sqrt{3})}{\sqrt{6}}$

Answer: C

Explanation:

Given : △ ABC is a right angled at B and $\angle C = 60°$

=> $\angle A = 30°$

=> $cot A = cot(30°) = \sqrt{3}$

To find : $Cot A - \frac{1}{2}$

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

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

=> Ans - (C)

Question 25

In ΔABC measure of angle B is 90°. If cosecA = 13/12, and AB = 10cm, then what is the length (in cm) of side AC?

A 24

B 12

C 14

D 26

  Answer: D

Explanation:
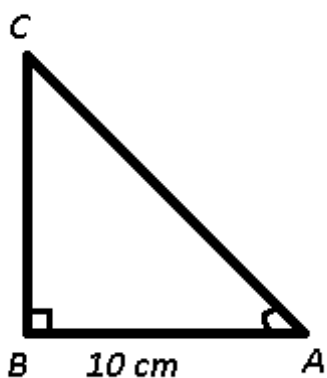
Given : AB = 10 cm and cosec A = 13/12

=> $cosecA = \frac{AC}{BC} = \frac{13}{12}$

Let $AC = 13x$ and $BC = 12x$

In right triangle ABC, => $(AC)^2 = (AB)^2 + (BC)^2$

=> $(13x)^2 = (10)^2 + (12x)^2$

=> $169x^2 - 144x^2 = 100$

=> $25x^2 = 100$

=> $x^2 = \frac{100}{25} = 4$

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

$\therefore AC = 13 \times 2 = 26$ cm

=> Ans - (D)

Reasoning

Instructions

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

Question 26

Room : House : : ? : ?

A   Pedal : Rotate

B   Student : Study

C   Car : Steering

D   Needle : Clock

   Answer: D

Explanation:
Expression = Room : House : : ? : ?

The first is a pert of second, i.e. room is a part of a house, similarly needle is a part of a clock.

=> Ans - (D)

Question 27

59 : 62 : : 66 : ?

A 67

B 71

C 69

D 70

Answer: C

Explanation:
Expression = 59 : 62 : : 66 : ?

The pattern followed is = $x : (x + 3)$

Eg :- $59 : 59 + 3 = 59 : 62$

Similarly, $66 + 3 = 69$

=> Ans - (C)

Question 28

HFZ : LJD : : ? : ?

A KTM : OXQ

B KBN : LCO

C BHO : DJQ

D FKU : INX

Answer: A

Explanation:
Expression = HFZ : LJD : : ? : ?

The pattern followed is :

H	F	Z
(+4)	(+4)	(+4)
L	J	D

Similar pattern is observed only in :

K	T	M
(+4)	(+4)	(+4)
O	X	Q

=> Ans - (A)

Instructions
For the following questions answer them individually

Question 29

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

A   Sister - Brother

B   Son - Friend

C   Father - Daughter

D   Mother - Son

   Answer: B

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   15 - 225

B   25 - 625

C   35 - 1225

D   45 - 2525

   Answer: D

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

$(15)^2 = 225$

$(25)^2 = 625$

$(35)^2 = 1225$

$(45)^2 = 2025 \neq 2525$

=> Ans - (D)

Question 31

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

A   ADG

B   HKN

C RUY

D GJM

Answer: C

Explanation:

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

(B) : H (+3 letters) = K (+3 letters) = N

(C) : R (+3 letters) = U (**+4** letters) = Y

(D) : G (+3 letters) = J (+3 letters) = M

=> Ans - (C)

Question 32

Arrange the given words in the sequence in which they occur in the dictionary.
1. Sonorous
2. Sometimes
3. Somber
4. Solution
5. Solve

A 42513

B 45321

C 12543

D 32415

Answer: B

Explanation:

As per the order of dictionary :

= Solution -> Solve -> Somber -> Sometimes -> Sonorous

≡ 45321

=> Ans - (B)

Question 33

In the following question, select the missing number from the given series.
2187, 729, 243, 81, 27, ?

A 10

B 9

C 1 3

D 11

    Answer: B

Explanation:

The pattern followed is :

3^7 = 2187

3^6 = 729

3^5 = 243

3^4 = 81

3^3 = 27

3^2 = **9**

=> Ans - (B)

Question 34

A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.
BKP, EMQ, IPS, NTV, ?

A TYZ

B SXY

C SYZ

D TXY

    Answer: A

Explanation:

Series : BKP, EMQ, IPS, NTV, ?

The pattern followed in each letter of the terms is :

1st letter : B (+3 letters) = E (+4 letters) = I (+5 letters) = N (+6 letters) = T

2nd letter : K (+2 letters) = M (+3 letters) = P (+4 letters) = T (+5 letters) = Y

3rd letter : P (+1 letter) = Q (+2 letters) = S (+3 letters) = V (+4 letters) = Z

Thus, missing term = **TYZ**

=> Ans - (A)

Question 35

In a row of trucks, Ashok is at 17th position from the left end. Bharat is 19 places to the right from Ashok and is at the exact centre of the row. How many trucks are there to the right of Ashok truck?

A 53

B 54

C 52

D 19

  Answer: B

Explanation:
Ashok's position from left end = 17th

Bharat's place from left end = 17+19 = 36th

Also, Bharat's place from right end = 36th

=> Total number of trucks = $(36 + 36) - 1 = 72 - 1 = 71$

∴ Number of trucks to the right of Ashok truck = $71 - 17 = 54$

=> Ans - (B)

Question 36

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

A Count

B Actually

C Acting

D Ant

  Answer: B

Explanation:
The word 'ACCOUNTING' does not contain any 'y', thus the word *Actually* cannot be formed.

=> Ans - (B)

Question 37

In a certain code language, "MAYOR" is written as "NBZPS". How is "PLAYER" written in that code language?

A QBFTRZ

B ZRBMQF

C QMBZFS

D RBMQFS

Answer: C

Explanation:
"MAYOR" is written as "NBZPS"

The pattern followed is :

M	A	Y	O	R
(+1)	(+1)	(+1)	(+1)	(+1)
N	B	Z	P	S

Similarly, for PLAYER :

P	L	A	Y	E	R
(+1)	(+1)	(+1)	(+1)	(+1)	(+1)
Q	M	B	Z	F	S

=> Ans - (C)

Question 38

In a certain code language, 'x' represents '+', '÷' represents 'x', '-' represents '÷' and '+' represents '-'. Find out the answer to the following question.
5 + 10 x 21 ÷ 5 - 15 = ?

A 49

B 2

C 3

D 24

Answer: B

Explanation:
Expression : 5 + 10 x 21 ÷ 5 - 15 = ?

$$\equiv 5 - 10 + 21 \times 5 \div 15$$

$$= -5 + \frac{105}{15}$$

$$= -5 + 7 = 2$$

=> Ans - (B)

Question 39

The following equation is incorrect. Which two signs should be interchanged to correct the equation? 10 x 4 + 5 - 30 ÷ 6 = 31

A   x and -

B   ÷ and -

C   + and ÷

D   - and +

Answer: A

Explanation:

Expression : 10 x 4 + 5 - 30 ÷ 6 = 31

(A) : x and -

L.H.S. = $10 - 4 + 5 \times 30 \div 6$

= $6 + \frac{150}{6}$

= $6 + 25 = 31 =$ R.H.S.

=> Ans - (A)

Question 40

If 3*1 = 20, 6*1 = 50 and 2*6 = -40, then find the value of 5*8 = ?

A   100

B   30

C   -50

D   -30

Answer: D

Explanation:

The pattern followed is : $a * b = (a - b) \times 10$

Eg :- 3*1 = $(3 - 1) \times 10 = 20$

6*1 = $(6 - 1) \times 10 = 50$

and 2*6 = $(2 - 6) \times 10 = -40$

Similarly, 5*8 = $(5 - 8) \times 10 = -30$

=> Ans - (D)

Question 41

Which of the following terms follows the trend of the given list?
XYXYXYxY, XYXYXyXY, XYXYxYXY, XYXyXYXY, XYxYXYXY, _____.

A XxXYYX

B XyXYXYXY

C XYYXXX

D XxYYXXXY

Answer: B

Explanation:
Series : XYXYXYxY, XYXYXyXY, XYXYxYXY, XYXyXYXY, XYxYXYXY, ?

The pattern followed is that one letter is written in small, and it is shifted one place to the left in each term and the rest are in capital.
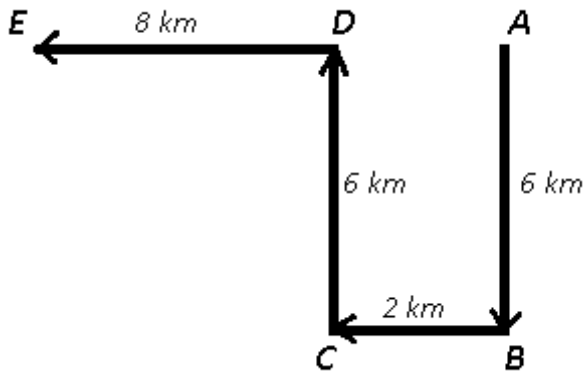
Thus, missing term = XyXYXYXY

=> Ans - (B)

Question 42

A courier delivery man cycles 6 km South, then turns West and cycles 2 km West, then turns to his right and cycles 6 km, then turns West and cycles 8 km. Where is he now with respect to his starting position?

A 10 km West

B 6 km West

C 10 km East

D 6 km East

Answer: A

Explanation:

Let the courier delivery man starts from point A and cycles 6 km South, then from B, he turns West and cycles 2 km West, then turns to his right towards north and cycles 6 km, then turns West and cycles 8 km to finally reach point E.

Thus, he is 10 km to the west of his starting position.

=> Ans - (A)

Question 43

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

Statement I: All matchboxes are lighters
Statement II: Some fire are matchboxes
Conclusion I: No lighters are fire
Conclusion II: All fire are lighters

A   Only conclusion I follows

B   Only conclusion I I follows

C   Both conclusions I and II follow

D   Neither conclusion I no r conclusion II follows
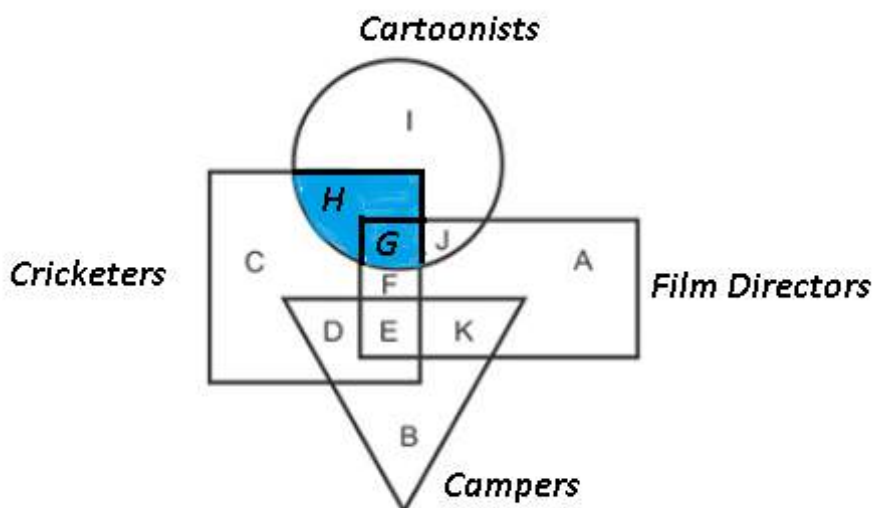
Answer: D

Question 44

In the following figure, rectangle represents Film directors, circle represents Cartoonists, triangle represents Campers and Square represents Cricketers. Which set of letters represents Cricketers who are also Cartoonists ?
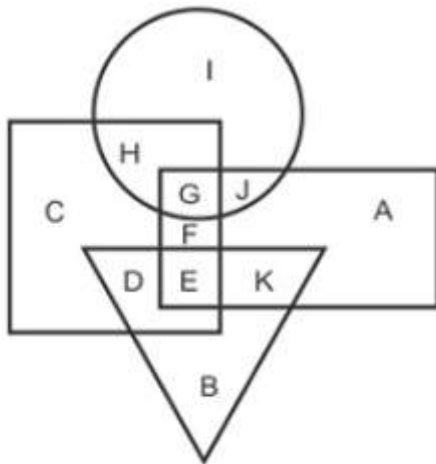
A IJ

B CD

C HG

D DE

Answer: C

Explanation:

Set of letters that represents Cricketers who are also Cartoonists = G + H

=> Ans - (C)

Question 45

A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.
CAP, AXL, YUH, WRD, ?

A VOA

B UPB

C VPB

D UOZ

Answer: D

Explanation:

Series : CAP, AXL, YUH, WRD, ?

The pattern followed in each letters of the terms is :

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

2nd letter : A (-3 letters) = X (-3 letters) = U (-3 letters) = R (-3 letters) = O

3rd letter : P (-4 letters) = L (-4 letters) = H (-4 letters) = D (-4 letters) = Z

Thus, missing term = **UOZ**

=> Ans - (D)

Question 46

In the following question, select the missing number from the given series.
59, 68, 78, 89, 101, ?

A 116

B 114

C 118

D 120

Answer: B

Explanation:
Consecutive integers are added.

59 + 9 = 68

68 + 10 = 78

78 + 11 = 89

89 + 12 = 101

101 + 13 = **114**

=> 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 (4, 8, 16)

B (5, 10, 20)

C (6, 12, 24)

D (7, 14, 21)

Answer: D

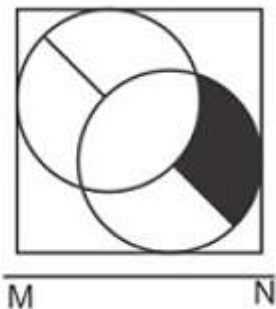**Explanation:**
The pattern followed is : $(a, 2a, 4a)$

Thus, in the last option $7 \times 4 = 28 \neq 21$

=> (7, 14, 21) is the odd one.

=> Ans - (D)

Question 48

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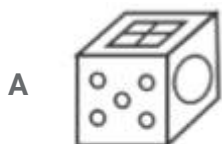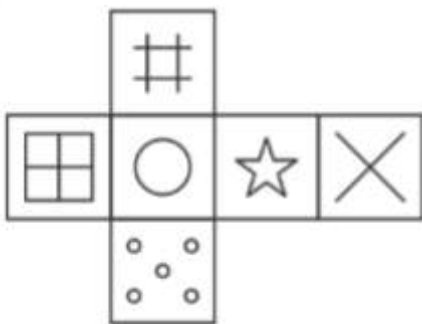

A

B

C

D

Answer: D

Question 49

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

A

B

C

D

Answer: B

Question 50

A word is represented by only set of numbers as given in any 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 'I' can be represented by 20, 34 etc and 'Q' can be represented by 85, 96 etc. Similarly, You have to identify the set for the word 'BANG'.

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

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

A   13,78,30,87

B   22,41,65,11

C   34,68,13,86

D   41,85,22,58

Answer: B

Explanation:
(A) : 13,78,30,87 = KYEZ

(B) : 22,41,65,11 = **BANG**

(C) : 34,68,13,86 = INKZ

(D) : 41,85,22,58 = AQBT

=> Ans - (B)

English

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

It was (a)/ difficult decided (b)/ about break up. (c)/ No error (d)

A It was

B difficult decided

C about break up

D No error

Answer: B

Question 52

In June 2017, an anodyne footnote to the Bank of Baroda's (BoB) quarter results mentioned a (a)/ fine levied by the South African Reserve Bank (SARB), (b)/ headquartered in Pretoria. (c)/ No error (d)

A In June 2017, an anodyne footnote to the Bank of Baroda's (BoB) quarter results mentioned a

B fine levied by the South African Reserve Bank (SARB)

C headquartered in Pretoria

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

I am awful _____ picking vegetables.

A for

B at

C of

D as

Answer: B

Question 54

The demand of self-esteem is that never stand _____ for what you have the power to earn.

A abetting

B begging

C caging

D daring

Answer: B

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

Imitate

A Reverse

B Ape

C Clash

D Repulse

Answer: B

Question 56

Incumbent

A Increase

B Redundant

C Choice

D Required

Answer: D

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

Inept

A Clumsy

B Artless

C Inadept

D Skillful

Answer: D

Question 58

Meek

A Quiet

B Mode rate

C Assertive

D Humble

Answer: C

Instructions

For the following questions answer them individually

Question 59

Rearrange the parts of the sentence in correct order.
Some modern anthropologists hold that
P : but also human behaviour
Q : biological evolution has shaped
R : not only human morphology

A QRP

B RQP

C PQR

D PRQ

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.
Ram loves Sita.

A Sita was loved by Ram.

B Sita is loved by Ram.

C Sita loves by Ram.

D Sita loved by Ram.

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 I Indirect/Direct Speech.
The teacher said, "The moon goes round the earth."

A The teacher said that the moon goes round the earth.

B The teacher asked whether the moon goes round the earth.

C The teacher informed about moon going round the earth.

D The teacher asked whether moon goes round.

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 Curosity

B Curoucity

C   Curiosity

D   Cuoisity

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.

Some with natural _____ would love to be in a scenic view and stare out of the window. Those nestlings could one day become a great biologist _____ a wildlife photographer or landscape artist to earn fame. Some always love to chit-chat with friends or family: encourage them so they have the ability to _____. It is a gift _____ verbal or linguistic creativity when they can tell stories, write essays, and converse easily with people. This _____ opportunities to them to be an orator, writer, poet, scholar or teacher.

Question 63

Some with natural _____ would love to be in a scenic

A   create

B   creation

C   creativity

D   creating

Answer: C

Question 64

great biologist _____ a wildlife photographer

A   nor

B   but also

C   but

D   or

Answer: D

Question 65

the ability to _____. It is a

A narration

B narrating

C narrate

D narrator

Answer: C

Question 66

gift _____ verbal or linguistic creativity

A at

B from

C so

D of

Answer: D

Question 67

This _____ opportunities to them

A opens

B open

C opening

D opened

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 walk of life

A An easy comfortable life not necessarily prosperous.

B The most important day of your life.

C A person's occupation or position within society.

D Walking is the best form of exercise.

Answer: C

Question 69

Cut to the chase

A Come to the point.

B To run after somebody.

C To cut out the important bits of information.

D To take a short cut.

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

Having a limited or narrow outlook or scope

A Indulgent

B Parochial

C Egotistical

D Liberal

Answer: B

Question 71

Well chosen or suited to the circumstances

A Bias

B Disparity

C Asperity

D Felicitous

   Answer: D

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

I understood that we (is influenced) by what we see, what we hear.

A was influenced

B are influence

C are influenced

D no improvement

   Answer: C

Question 73

Tunnels (is built) to connect houses and places of worship whereas innovative trick doors were attached to the underground cities.

A was built

B were built

C were building

D no improvement

   Answer: B

Instructions
For the following questions answer them individually

Question 74

The question below consists of a set of labelled sentences. Out of the four options given, select the most logical order of the sentences to form a coherent paragraph.
I belong to the Indian
A-fare concession (LFC), I have a fair
B-banking family, and thanks to the leave
C-share of travelling experience

A   ACB

B   ABC

C   CAB

D   BAC

   Answer: D

Question 75

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

A   distilation

B   distillation

C   destillation

D   destilation

   Answer: B

General Awareness

Instructions
For the following questions answer them individually

Question 76

The modern economy is NOT characterized by _____.

A   self-sufficient village system

B   development of money economy

C   capital intensive mode of production

D production for market

Answer: A

Question 77

During which Five Year Planning was NABARD established?

A Fifth

B Sixth

C Third

D Ninth

Answer: C

Question 78

Which of the following is not counted under sub-vedas?

A Ayurveda

B Yajurveda

C Gandharva Veda

D Shilp Veda

Answer: B

Question 79

Who built the Moti Masjid in the Red Fort of Delhi?

A Akbar

B Jahangir

C Shah Jahan

D Aurangzeb

Answer: C

Question 80

What is Syzygy?

A   Position of sun, earth and moon in the straight line

B   Earth's position between Sun and Moon

C   Sun and Moon position on one side of the Earth

D   The right angle position of Moon from the Sun and Earth

   Answer: A

Question 81

Which of the following is NOT a part of the Western coastline?

A   Kathiawar Coast

B   Konkan Coast

C   Malabar Coast

D   Coromandel Coast

   Answer: D

Question 82

Which of the following pair is matched correctly?

A   Bharatanatyam - Andhra Pradesh

B   Kuchipudi - Madhya Pradesh

C   Kathakali - Kerala

D   Kathak - Tamil Nadu

   Answer: C

Question 83

According to the Indus water treaty which river will be not governed by Pakistan?

A   Indus

B   Chenab

C   Jhelum

D   Ravi

Answer: D

Question 84

Which film has been awarded with best Environment film in 64th National film awards?

A   Kassav

B   Dashkriya

C   Ventilator

D   The tiger who crossed the line

Answer: D

Question 85

Myanmar shares around _____ border with India.

A   1,238 k m

B   1,338 km

C   1,438 km

D   1,643 km

Answer: D

Question 86

Which of the following statements are CORRECT?
I. Melamine is a Thermosetting plastic.
II. It resists fire.
III It is a poor conductor of heat.

A   Only I and II

B Only I and III

C Only II and III

D All I, II and III

Answer: D

Question 87

Which of the following is the best fire-extinguisher?

A Water

B Oxygen

C Carbon-dioxide

D Soil

Answer: C

Question 88

Which part of the Indian Constitution deals with Amendment of the Constitution?

A Part XI V

B Part X VI

C Part X VIII

D Part XX

Answer: D

Question 89

Who can make laws for Union Territories on any subject under the three lists Viz. union list, state list and concurrent list?

A The President of India alone

B The Parliament

C The Prime Minister of India

D Home Minister of India

Answer: B

Question 90

Pepsin is an enzyme that digests _____.

A   proteins

B   starch

C   carbohydrate

D   fats

Answer: A

Question 91

Which is the CORRECT pair of inherited chromosomes for the child to be a girl?

A   X from father and Y from mother

B   Y from father and X from mother

C   Y from father and Y from mother

D   X from father and X from mother

Answer: D

Question 92

How much loan has the World Bank agreed to provide to the Government of India for 'National Biopharma Mission' named 'i3'?

A   USD 255 million

B   USD 125 million

C   USD 100 million

D   USD 400 million

Answer: B

Question 93

Which of the following company has launched secret Zuma Mission for United States government?

A   Sierra Nevada Corporation

B   XCOR Aerospace

C   SpaceX

D   Boeing

Answer: C

Question 94

In May 2017, the Base year of All India Index of Industrial Production (IIP) has been revised to _____.

A   2011-1 2

B   2015-16

C   2016-17

D   2012-13

Answer: A

Question 95

In April 2017, Agriculture Ministry Unveiled Model APMC Act. This is to give more freedom to sell their produce. What does 'M' stand for in 'APMC' act?

A   Managing

B   Market

C   Modifying

D   Ministerial

Answer: B

Question 96

Find the resistance (in mega Ω) of a wire of length 20m, cross sectional area 1 cm2 and made of a material of resistivity 200 Ωm.

A   40

B   4000

C   80

D   20 00

   Answer: A

Question 97

In _____ motion of a body its velocity varies with time.

A   uniform

B   linear

C   equilibrium

D   non-uniform

   Answer: D

Question 98

Air moves from the region where the air _____.

A   humidity is high to the region where the humidity is low

B   pressure is low to the region where the pressure is high

C   pressure is high to the region where the pressure is low

D   humidity is low to the region where the humidity is high

   Answer: C

Question 99

Which of the statements given below are correct?
A) In 2018 IPL auctions, Delhi Daredevils retained Rishabh Pant.
B) In 2017, Daniel Ricciardo raced in Formula One for Red Bull Racing.
C) Lewis Hamilton won the Formula One 2017 Malaysian Grand Prix.

A   Only A

B   A and C

C   B and C

D A and B

Answer: D

Question 100

In Microsoft Word, under character formatting _____ is used to superscript and subscript.

A Font style

B Underline

C Effects

D Size

Answer: C