



SSC GD 12th Feb 2019 Shift-1

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Reasoning

Instructions

For the following questions answer them individually

Question 1

The statements below are followed by two conclusions labeled I and II. Assuming that the information in the statements is true, even if it appears to be at variance with generally established facts, decide which conclusion(s) logically and definitely follow(s) from the information given in the statements.

Statements:

1. All pupils are crows.
2. All crows are cats.

Conclusion

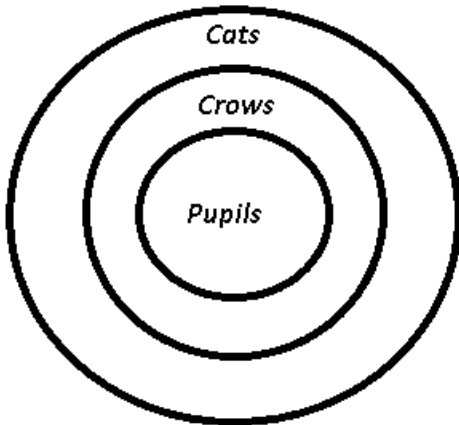
- I. All cats are crows.
- II. Some crows are pupils.

- A Only conclusion I follows.
B Both conclusions follow.
C Either conclusion I or conclusion II follows.
D Only conclusion II follows.

Answer: D

Explanation:

The venn diagram for above statements is :



Conclusion

- I. All cats are crows = false
- II. Some crows are pupils = true

Thus, only conclusion II follows.

=> Ans - (D)

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Question 2

Select the option that is related to the third term in the same way as the second term is related to the first term.

Lethargy : Alertness :: Peace : ?

- A Cheer
B Chaos
C Chat

D Choose

Answer: B

Explanation:

Expression = Lethargy : Alertness :: Peace : ?

Lethargy meaning lazy is the opposite of being alert, similarly antonym of peace is **chaos**.

=> Ans - (B)

Question 3

Select the option that is related to the third number in the same way as the second number is related to the first number.

22 : 441 :: 13 : ?

A 221

B 144

C 275

D 169

Answer: B

Explanation:

Expression = 22 : 441 :: 13 : ?

The pattern followed is = $x : (x - 1)^2$

Eg :- $(22 - 1)^2 = 441$

Similarly, $(13 - 1)^2 = (12)^2 = 144$

=> Ans - (B)

Question 4

Select the correct option that will fill in the blank and complete the series.

RTN, SRO, TPP, UNQ, ?

A VJR

B VLP

C VLR

D VIP

Answer: C

Explanation:

Expression : RTN, SRO, TPP, UNQ, ?

The pattern followed in each letter of the terms is :

1st letter : R (+1) = S (+1) = T (+1) = U (+1) = **V**

2nd letter : T (-2) = R (-2) = P (-2) = N (-2) = **L**

3rd letter : N (+1) = O (+1) = P (+1) = Q (+1) = **R**

Thus, missing term = **VLR**

=> Ans - (C)

Question 5

There is only one runway which will be used by seven flights one by one. P and Q will use the runway neither first nor last. S will use it second after R. M will use it second before O. N will use it after O and before R. Q will use it just before S. Who will use the runway third after O?

- A N
- B P
- C R
- D Q

Answer: D

Explanation:

S will use it second after R and Q will use it just before S, => Order will be 'RQS'

N will use it after O and before R, => Order will be 'ONRQS'

Also, M will use it second before O, => M will use it first and then the remaining slot, i.e. second will be taken by P.

M
P
O
N
R
Q
S

Thus, Q will use the runway third after O.

=> Ans - (D)

Question 6

Identify the decimal number that will come next in the following series.

10, 9.9, 9.89, 9.889, 9.8889,

- A 9.88999
- B 9.88888
- C 9.98889
- D 9.88889

Answer: D

Explanation:

The pattern followed is that numbers of the form $(\frac{1}{10})^n$ are subtracted.

$$10 - 0.1 = 9.9$$

$$9.9 - 0.01 = 9.89$$

$$9.89 - 0.001 = 9.889$$

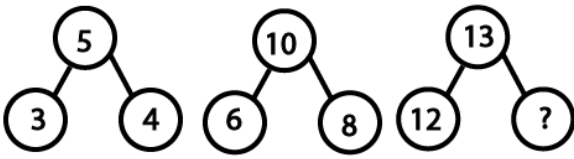
$$9.889 - 0.0001 = 9.8889$$

$$9.8889 - 0.00001 = \mathbf{9.88889}$$

=> Ans - (D)

Question 7

Select the option that will correctly replace the question mark (?) in the given pattern.



- A 7
- B 11
- C 13
- D 5

Answer: D

Explanation:

The square of top number is equal to the sum of square of each of the bottom numbers.

Eg :- $(3)^2 + (4)^2 = 9 + 16 = 25 = (5)^2$

and $(6)^2 + (8)^2 = 36 + 64 = 100 = (10)^2$

Similarly, $(12)^2 + (x)^2 = (13)^2$

=> $x = \sqrt{169 - 144} = \sqrt{25} = 5$

=> Ans - (D)

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Question 8

In a certain code, VIRUS is written as 46. How will CRUST be written in that code?

- A 59
- B 57
- C 54
- D 55

Answer: C

Explanation:

When we code the alphabets numerically in reverse order, i.e. Z=1, Y=2, X=3, W=4 and so on and take the sum, we will get the desired result.

Eg :- VIRUS $\equiv 5 + 18 + 9 + 6 + 8 = 46$

Similarly, CRUST $\equiv 24 + 9 + 6 + 8 + 7 = 54$

=> Ans - (C)

Question 9

Four numbers have been given out of which three are alike in some manner, while one is different. Choose the odd one.

- A 325

B 577

C 215

D 442

Answer: C

Explanation:

(A) : $325 = (18)^2 + 1$

(B) : $577 = (24)^2 + 1$

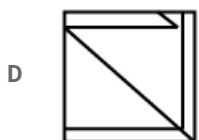
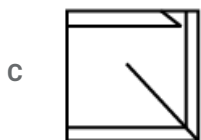
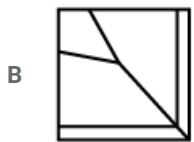
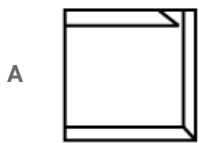
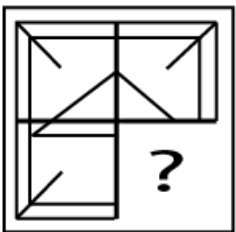
(C) : $215 = (6)^3 - 1$

(D) : $442 = (21)^2 + 1$

=> Ans - (C)

Question 10

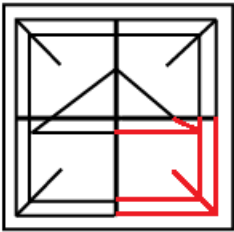
Select a figure from amongst the four alternatives, that when placed in the blank space (?) of figure X will complete the pattern. (Rotation is not allowed).



Answer: C

Explanation:

If we complete the above figure, then the missing pattern is represented by the red colour.



=> Ans - (C)

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Question 11

Choose the option that most closely resembles the mirror image of the given word if the mirror is placed at the right side.

PROWESS

A

223MORP

B

22E MORP

C

223WOREP

D

22EWORD

Answer: C

Explanation:

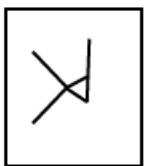
If the mirror is placed on the right side, then the letter at left will appear at right side and vice versa, but in reverse.

The letter 'W' when reversed will not turn upside down, hence first two options are eliminated, similarly in the last option 'P' is inverted, hence third is the correct image.

=> Ans - (C)

Question 12

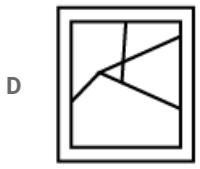
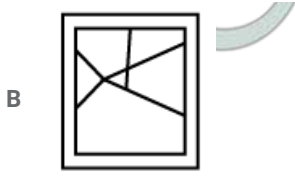
Choose the option in which the figure marked "x" is embedded.



X

A

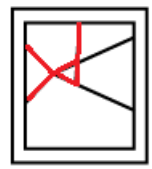




Answer: B

Explanation:

The question figure is embedded in following figure and is represented by red colour.



=> Ans - (B)

Question 13

Eight friends A, B, C, D, E, F, H and G are sitting around circular table facing each other for a group discussion. A is opposite F and second to the right of E. G is between C and A. H is to the left of E. Who is sitting second to the left of C ?

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

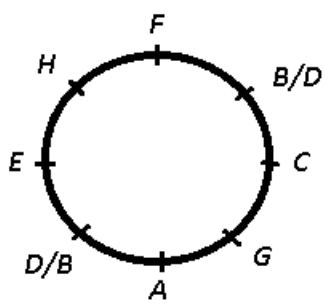
Answer: B

Explanation:

A is opposite F and second to the right of E, => E is sitting second to the right of F.

H is to the left of E, => H sits between E and F.

G is between C and A, => C sits opposite E, and G to the immediate right of A.



=> A is sitting second to the left of C.

=> Ans - (B)

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Question 14

In a certain code. LIGHT is written as. How will GYPSY be written in that code?

- A BHOBT
- B BHJBT
- C BHKBT
- D BHHBT

Answer: C

Question 15

Choose the odd word out of the options.

- A KENYA
- B LONDON
- C LISBON
- D BANGKOK

Answer: A

Explanation:

London, Lisbon and Thailand are capital cities of UK, Portugal and Bangkok while Kenya is a country, hence the odd one.

=> Ans - (A)

Question 16

Seven friends O, P, Q, R, S, T and U are watching a cricket match sitting in a stadium. P is sitting at one extreme end. T is sitting between Q and U, and R is sitting to the immediate right of S and immediate left of Q. U is sitting second to the left of P. Who is sitting second to the left of T?

- A P
- B U
- C R
- D Q

Answer: C

Explanation:

P is sitting at one extreme end and U is sitting second to the left of P, => P is sitting at extreme right end

: _ _ _ _ U _ P

T is sitting between Q and U,

: Q _ T _ U _ P

: _ _ Q T U _ P

R is sitting to the immediate right of S and immediate left of Q, thus first case is not possible,

: SRQTUOP

∴ R is sitting second to the left of T.

=> Ans - (C)

SSC MTS Previous Question papers (download pdf)

Question 17

Find out the two signs to be interchanged to make the following equation correct.

$$25 + 26 \times 2 - 7 \div 3 = 17$$

A \div and \times

B $-$ and \div

C \times and $-$

D $+$ and $-$

Answer: A

Explanation:

Expression : $25 + 26 \times 2 - 7 \div 3 = 17$

(A) : \div and \times

$$\text{L.H.S.} \equiv 25 + 26 \div 2 - 7 \times 3$$

$$= 25 + 13 - 21 = 17 = \text{R.H.S.}$$

=> Ans - (A)

Question 18

Which number will follow next in the given number series?

2, 37, 82, 137, ?

A 202

B 247

C 147

D 182

Answer: A

Explanation:

The pattern here followed is :

$$2 + 35 = 37$$

$$37 + 45 = 82$$

$$82 + 55 = 137$$

$$137 + 65 = \mathbf{202}$$

=> Ans - (A)

Question 19

The statements below are followed by two conclusions labeled I and II. Assuming that the information in the statements is true, even if it appears to be at variance with generally established facts, decide which conclusion(s) logically and definitely follow(s) from the information given in the statements.

Statements:

1. Some joules are energies.
2. Some energies are radiuses.

Conclusion:

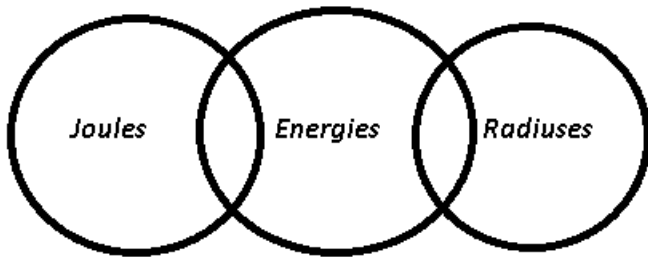
- I. Some radiuses are energies.
- II. Some energies are joules.

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

Answer: B

Explanation:

The venn diagram for above statements is :



Conclusion:

- I. Some radiuses are energies = true
- II. Some energies are joules = true

Thus, both conclusions follow.

=> Ans - (B)

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Question 20

Select the option that is related to the third term in the same way as the second term is related to the first term.

Fierce : Violent :: Fallacy : ?

- A Ego
- B War
- C Fall
- D Illusion

Answer: D

Explanation:

The pattern followed is that fierce and violent have similar meanings, similarly synonym of fallacy is illusion, a mistaken belief.

=> Ans - (D)

Question 21

Select the option that is related to the third term in the same way as the second term is related to the first term.
BFI : AGK :: DGJ : ?

- A HCL
- B HCI
- C CHL
- D CHC

Answer: C

Explanation:

Expression = BFI : AGK :: DGJ : ?

The pattern followed is :

B	F	I
(-1)	(+1)	(+2)
A	G	K

Similarly, for DGJ :

D	G	J
(-1)	(+1)	(+2)
C	H	L

=> Ans - (C)

Question 22

Which one of the following four-letter clusters does NOT belong to the group?

- A JKN
- B GMP
- C DPN
- D AIO

Answer: D

Explanation:

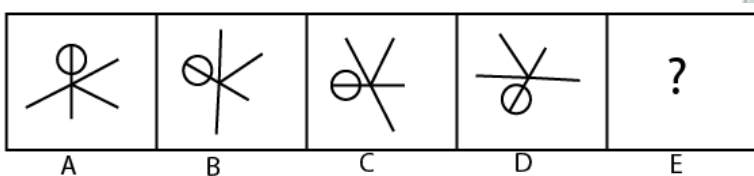
Among the given groups of letters, only in the last group, all letters are vowels, hence it is the odd one.

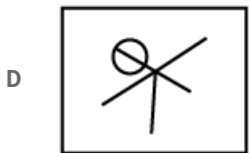
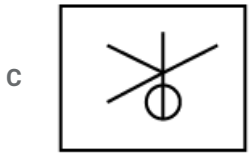
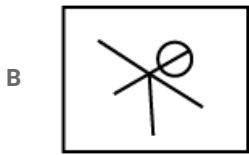
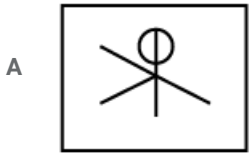
=> Ans - (D)

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Question 23

Choose the option that would follow next in the given figure series.





Answer: C

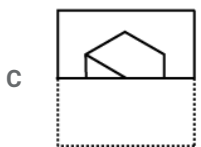
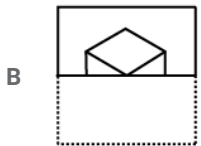
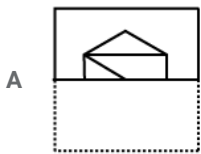
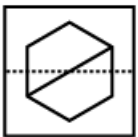
Explanation:

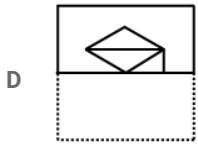
The pattern followed is that the circle in the first figure is pointing at top and is moving in anti clockwise direction, i.e. in the second figure is pointing at top left side, then left and then at bottom left, thus in the missing figure, it will face bottom as shown in third figure.

=> Ans - (C)

Question 24

A square transparent sheet with a pattern is given. How will the pattern appear when the transparent sheet is folded along the dotted line?



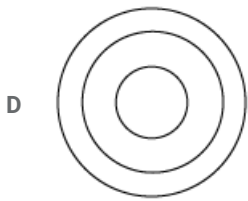
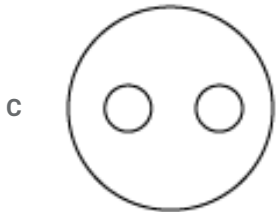
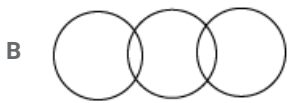
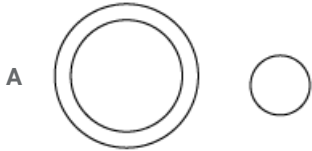


Answer: B

Question 25

Select the Venn diagram that best represents the given set of classes.

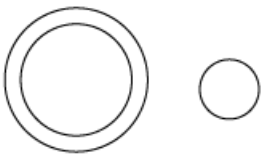
Squirrels, Parrots, Mammals



Answer: A

Explanation:

All squirrels are mammals, but parrots are classified as aves, hence the diagram that best describes above relationship is :



=> Ans - (A)

SSC Stenographer Previous Papers (Download PDF)

General knowledge

Instructions

For the following questions answer them individually

Question 26

..... is a form of sufi devotional music which originated in the Indian subcontinent.

- A Qawwali
- B Teej Geet
- C Basant Geet
- D Kajri

Answer: A

SSC GD Constable Previous Papers

Question 27

'The Story Of My Experiments With Truth' is the autobiography of

- A Mahatma Gandhi
- B APJ Abdul Kalam
- C Jawaharlal Nehru
- D Narendra Modi

Answer: A

Question 28

In the Indian constitution the section on Citizenship draws inspiration from which country's constitution?

- A France
- B USA
- C Australia
- D UK

Answer: D

Question 29

..... is generally sandy in texture and saline in nature.

- A Alluvial soil
- B Black soil
- C Laterite soil
- D Arid soil

Answer: D

SSC MTS Previous Papers (DOWNLOAD PDF)

Question 30

..... are receipts of the government which are non-redeemable.

- A Tax receipts
- B Direct receipts
- C Revenue receipts
- D Indirect receipts

Answer: C

Question 31

Who is the Cabinet Minister currently responsible for Youth Affairs And Sports in the Government of India?

- A Rajyavardhan Singh Rathore
- B Sushma Swaraj
- C Nitin Gadkari
- D Vijay Goel

Answer: A

Question 32

The Lakshwdeep islands are located in the

- A Indian Ocean
- B Pacific Ocean
- C Arabian Sea
- D Bay of Bengal

Answer: C

SSC GD Constable Previous Papers (DOWNLOAD PDF)

Question 33

The Indian football player became the second highest scorer in the world as on June 2018.

- A Gurpreet Singh
- B Sunil Chhetri
- C Bhaichung Bhutia
- D IM Vijayan

Answer: B

Question 34

..... capital refers to the variety of raw material and money in hand during the production.

- A Fixed
- B Working

- C Human
- D Physical

Answer: B

Question 35

The study of viruses is called

- A biology
- B pathology
- C paedology
- D virology

Answer: D

SSC CGL Previous Papers (DOWNLOAD PDF)

Question 36

The Gandhi – Irwin Pact was associated to which of the following movements of India?

- A Rowlatt
- B Civil Disobedience
- C Non co-operation
- D Quit India

Answer: B

Question 37

The procedure to remove waste products and excess fluid from the blood when the kidneys stop working properly is called

- A circulation
- B filtration
- C purification
- D dialysis

Answer: D

Question 38

Jammu and Kashmir has been given special status under Article

- A 370
- B 100
- C 111
- D 12

Answer: A

SSC CGL Free Mock Test (Latest Pattern)

Question 39

The small pores on the lower surface of the leaf are called

- A pore
- B opening
- C cilia
- D stomata

Answer: D

Question 40

The economist received the Noble prize in 1998.

- A Dr. Manmohan Singh
- B Raghuram Rajan
- C Amartya Sen
- D Abhijit Vinayak Banerjee

Answer: C

Question 41

..... are the nomads of the Jammu and Kashmir.

- A Bhotiyas
- B Gaddi Shepherds
- C Sherpas
- D Gujjar Bakarwals

Answer: D

SSC CHSL Free Mock Test (Latest Pattern)

Question 42

..... is the most ductile metal from the following.

- A Iron
- B Aluminium
- C Copper
- D Gold

Answer: D

Question 43

The Hawa Mahal is located in which city

- A Delhi
- B Jaipur
- C Gujarat
- D Agra

Answer: B

Question 44

The Judicial system in India contains a hierarchy of courts where is the Highest.

- A Supreme court
- B Village Panchayat
- C High Court
- D District Court

Answer: B

SSC Stenographer Previous Papers (Latest Pattern)

Question 45

Who among the following was inspired by the ideals of the French Revolution?

- A Tipu Sultan
- B Aurobindo Gosh
- C Annie Besant
- D Badruddin Tyabji

Answer: A

Question 46

Which of the following is **NOT** a tributary of the river Indus?

- A Ravi
- B Jhelum
- C Chenab
- D Ganges

Answer: D

Question 47

..... is the youngest recipient of the Rajiv Gandhi Khel Ratan Award.

- A Geet Sethi
- B Virat Kohli
- C Vishwanathan Anand
- D Abhinav Bindra

Answer: D

SSC GD Constable Free Mock Test (Latest Pattern)

Question 48

Which of the following reacts with water?

- A Silver
- B Copper
- C Lead
- D Calcium

Answer: D

Question 49

Lathmaar Holi is celebrated in

- A Varanasi
- B Ayodhya
- C Dwarka
- D Barsana and Nandgaon

Answer: D

Question 50

..... is India's first wicket keeper to have taken 300 catches.

- A MS Dhoni
- B Virender Sehwag
- C Suresh Raina
- D Sourav Ganguly

Answer: A

SSC MTS Free Mock Test (Latest Pattern)

Quant

Instructions

For the following questions answer them individually

Question 51

What is the value of $\left[6\frac{1}{5} \times 5 \text{ of } \left(\frac{2}{5} - \frac{16}{62} + \frac{11}{62}\right)\right]$?

- A $\frac{47}{108}$
- B $\frac{33}{20}$
- C $\frac{47}{62}$
- D $\frac{43}{108}$

Answer: B

Explanation:

$$\begin{aligned} \text{Expression: } & \left[6\frac{1}{5} \times 5 \text{ of } \left(\frac{2}{5} - \frac{16}{62} + \frac{11}{62}\right)\right] \\ & = \left(\frac{31}{5} \times \frac{5}{6}\right) \times \left(\frac{2}{5} - \frac{5}{62}\right) \\ & = \frac{31}{6} \times \frac{99}{62} \\ & = \frac{99}{60} = \frac{33}{20} \\ \Rightarrow \text{Ans - (B)} \end{aligned}$$

SSC CPO Free Mock Test (Latest Pattern)

Question 52

The data given below shows the number of people who have saved a certain amount of money.

Savings (in ₹)	Number of people
5	1
15	3
20	4
25	2
30	1
35	1
40	2

What is the mode of the given data?

- A ₹20
- B ₹30
- C ₹25
- D ₹15

Answer: A

Explanation:

The most repeated item in a given series is the mode of the data, since 20 is repeated most (4 times).

Thus, mode = 20

=> Ans - (A)

Question 53

What will be the average of first four positive multiples of 8?

- A 16
- B 20
- C 32
- D 24

Answer: B

Explanation:

Sum of first four positive multiples of 8 = $8 + 16 + 24 + 32 = 80$

=> Required average = $\frac{80}{4} = 20$

=> Ans - (B)

Question 54

The average age of 50 teachers of a school is 66 years and the average age of 60 teachers of another school is 55 years. What will be average age of teachers of both the schools together?

- A 60 years
- B 57.5 years
- C 65 years
- D 62.5 years

Answer: A

Explanation:

Total age of 50 teachers of first school = $50 \times 66 = 3300$ years

Total age of 60 teachers of second school = $60 \times 55 = 3300$ years

∴ Required average = $\frac{(3300+3300)}{50+60}$

= $\frac{6600}{110} = 60$ years

=> Ans - (A)

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Question 55

The height of a cone is 24 cm and radius of its base 10 cm. If the rate of painting it is ₹ 28/ cm^2 , then what will be the total cost in painting the cone from outside?

- A ₹18880
- B ₹20820
- C ₹17660
- D ₹22880

Answer: D

Explanation:

Height of cone = $h = 24$ cm and radius = $r = 10$ cm

$$\Rightarrow \text{Slant height} = l = \sqrt{h^2 + r^2}$$

$$\Rightarrow l = \sqrt{576 + 100} = \sqrt{676} = 26 \text{ cm}$$

Curved surface area of cone = $\pi r l$

$$\therefore \text{Total cost of painting} = 28 \times \frac{22}{7} \times 10 \times 26$$

$$= \text{Rs. } 22,880$$

\Rightarrow Ans - (D)

Question 56

Anil goes to his office at the speed of 35 km/hr and returns to his home at the speed of 30 km/hr. If he takes total 39 hours, then what is the distance between his office and home?

A 420 km

B 525 km

C 630 km

D 210 km

Answer: C

Explanation:

Let distance between his office and home = d km

Using, time = distance/speed

$$\Rightarrow \frac{d}{35} + \frac{d}{30} = 39$$

$$\Rightarrow \frac{6d+7d}{210} = 39$$

$$\Rightarrow d = 210 \times 3 = 630 \text{ km}$$

\Rightarrow Ans - (C)

Question 57

The price of two articles are in the ratio of 4 : 3 respectively. The price of first article is increased by 50% and the price of second article is decreased by 10%. If the new price of second article is ₹54, then what was the original price of first article?

A ₹120

B ₹80

C ₹100

D ₹90

Answer: B

Explanation:

Let the price of the two articles be Rs. $40x$ and Rs. $30x$ respectively

New price of first article after 50% increase = Rs. $60x$

Similarly, new price of second article = $27x = 54$

$$\Rightarrow x = 2$$

\therefore Original price of first article = Rs. 80

\Rightarrow Ans - (B)

Question 58

Selling price and cost price of a book are in the ratio of 3 : 4. What will be the profit/loss percentage?

- A 25% loss
- B 33.33% profit
- C 66.66% loss
- D 20% profit

Answer: A

Explanation:

Ratio of S.P. and C.P. = 3 : 4

Let cost price = Rs. 4 and selling price = Rs. 3

$$\Rightarrow \text{Loss \%} = \frac{4-3}{4} \times 100 = 25\%$$

\(\Rightarrow\) Ans - (A)

Question 59

C alone can complete a work in 20 days and D alone can complete the same work in 30 days. In how many days C and D together can complete the same work?

- A 6 days
- B 12 days
- C 15 days
- D 8 days

Answer: B

Explanation:

Let total work = L.C.M. (20,30) = 60 units

C can complete it in 20 days, \(\Rightarrow\) C's efficiency = $\frac{60}{20} = 3$ units/day

Similarly, D's efficiency = $\frac{60}{30} = 2$ units/day

\(\Rightarrow\) (C + D)'s 1 day's work = (3 + 2) = 5 units

\(\therefore\) Time taken by C and D together = $\frac{60}{5} = 12$ days

\(\Rightarrow\) Ans - (B)

Question 60

What will be the difference between the compound interest (interest is compounded annually) and simple interest on a sum of ₹ 3200 at the rate of 20% per annum for 2 years?

- A ₹128
- B ₹148
- C ₹132
- D ₹96

Answer: A

Explanation:

Principal sum = Rs. 3200 and rate of interest = 20%

Difference between C.I. and S.I. for 2 years = $P \frac{r^2}{100^2}$

$$= 3200 \times \frac{400}{10000}$$

$$= 32 \times 4 = \text{Rs. } 128$$

=> Ans - (A)

SSC GD Important Questions and Answers PDF

Question 61

What will be the Highest Common Factor of $2^3 \times 3^5 \times 5^5$ and $3^1 \times 5^2 \times 7^1$?

A $2^1 \times 3^1 \times 5^2$

B $2^1 \times 3^1 \times 5^2 \times 7^1$

C $2^3 \times 3^5 \times 5^7 \times 7^1$

D $3^1 \times 5^2$

Answer: D

Explanation:

Highest Common Factor of $2^3 \times 3^5 \times 5^5$ and $3^1 \times 5^2 \times 7^1$ is :

Clearly, 2 and 7 are not common in both terms, hence it will not be a part of H.C.F., also highest common factor is the common number with the smaller power.

$$\text{Hence, H.C.F.} = 3^1 \times 5^2$$

=> Ans - (D)

Question 62

What is the value of $[4 + 200 \div 50 + \frac{3}{2} \text{ of } (\frac{1}{5} - \frac{1}{4})]$?

A $\frac{317}{40}$

B $\frac{323}{40}$

C $\frac{337}{40}$

D $\frac{329}{40}$

Answer: A

Explanation:

$$\text{Expression : } [4 + 200 \div 50 + \frac{3}{2} \text{ of } (\frac{1}{5} - \frac{1}{4})]$$

$$= [4 + 4 + (\frac{3}{2} \times \frac{-1}{20})]$$

$$= 8 - \frac{3}{40}$$

$$= \frac{320-3}{40} = \frac{317}{40}$$

=> Ans - (A)

Question 63

A sum becomes 14 times of itself in 15 years at the rate of simple interest per annum. In how many years will the sum becomes 92 times of itself?

- A 91 years
- B 195 years
- C 105 years
- D 210 years

Answer: C

Explanation:

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

If sum becomes 14 times itself, \Rightarrow Simple interest = Rs. $13x$

$$S.I. = \frac{P \times r \times t}{100}$$

$$\Rightarrow \frac{x \times r \times 15}{100} = 13x$$

$$\Rightarrow r = \frac{1300}{15} \%$$

Let after t years, simple interest = Rs. $91x$

$$\Rightarrow \frac{x \times 1300 \times t}{100 \times 15} = 91x$$

$$\Rightarrow t = 7 \times 15 = 105 \text{ years}$$

\Rightarrow Ans - (C)

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Question 64

B is 20% more than A and C is 25% more than B. If C = 330, then what will be the value of A?

- A 198
- B 214
- C 250
- D 220

Answer: D

Explanation:

Given : C = 330

$$\Rightarrow B = \frac{330}{100+25} \times 100$$

$$= \frac{330}{5} \times 4 = 264$$

$$\text{Similarly, } A = \frac{264}{100+20} \times 100$$

$$= \frac{264}{6} \times 5 = 220$$

\Rightarrow Ans - (D)

Instructions

The table given below shows the runs scored by 4 different batsmen B1, B2, B3 and B4 in 5 different matches of a series.

	Matches				
	M1	M2	M3	M4	M5
B1	120	95	83	86	20
B2	12	8	0	196	52
B3	23	36	45	19	27
B4	56	65	85	45	42

Question 65

What is the per match average number of run scored by batsman B3?

- A 36
- B 35
- C 28
- D 30

Answer: D

Explanation:

Total runs scored by B3 = $23 + 36 + 45 + 19 + 27 = 150$

=> Required average = $\frac{150}{5} = 30$

=> Ans - (D)

Question 66

What is the difference in the total number of runs scored by B1 and B4 in these 5 matches?

- A 98
- B 111
- C 87
- D 124

Answer: B

Explanation:

Difference in the total number of runs scored by B1 and B4 in these 5 matches

= $(120 - 56) + (95 - 65) + (83 - 85) + (86 - 45) + (20 - 42)$

= $64 + 30 - 2 + 41 - 22 = 111$

=> Ans - (B)

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Instructions

For the following questions answer them individually

Question 67

The length and breadth of a rectangular garden is 12 cm and 9 cm. What will be the area of the rectangular garden?

- A 96 cm^2
- B 112 cm^2
- C 84 cm^2

D 108 cm^2

Answer: D

Explanation:

Length of garden = 12 cm and Breadth = 9 cm

$$\Rightarrow \text{Area} = lb = 12 \times 9 = 108 \text{ cm}^2$$

\Rightarrow Ans - (D)

Question 68

If $A : B : C = 4 : 5 : 6$, then what is the ratio of $\left(\frac{1}{A}\right) : \left(\frac{1}{B}\right) : \left(\frac{1}{C}\right)$?

A 15 : 10 : 12

B 10 : 12 : 15

C 15 : 12 : 10

D 12 : 10 : 15

Answer: C

Explanation:

Given = $A : B : C = 4 : 5 : 6$

Let $A = 4, B = 5$ and $C = 6$

To find = $\left(\frac{1}{A}\right) : \left(\frac{1}{B}\right) : \left(\frac{1}{C}\right)$

$$= \frac{1}{4} : \frac{1}{5} : \frac{1}{6}$$

Multiply all the terms by L.C.M.(4,5,6) = 60

$$= 15 : 12 : 10$$

\Rightarrow Ans - (C)

Question 69

The perimeter of a rectangular table is 48 cm. If the area of the rectangular table is 128 cm^2 , then what will be the length of the table?

A 10 cm

B 18 cm

C 16 cm

D 12 cm

Answer: C

Explanation:

Let length and breadth of the rectangle be l cm and b cm respectively.

$$\text{Perimeter} = 2(l + b) = 48$$

$$\Rightarrow b = 24 - l \text{ -----(i)}$$

$$\text{Area} = lb = 128 \text{ -----(ii)}$$

Substituting value of b in equation (ii), we get :

$$\Rightarrow l(24 - l) = 128$$

$$\Rightarrow l^2 - 24l + 128 = 0$$

$$\Rightarrow (l - 16)(l - 8) = 0$$

$$\Rightarrow l = 16, 8$$

\therefore Length = **16 cm** and Breadth = 8 cm

\Rightarrow Ans - (C)

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Question 70

Rahul purchased 80 items from the market. 25% items of the total items were defective and the remaining items were sold at 50% profit. What will be the overall profit percentage?

A 10%

B 12.5%

C 11.11%

D 9.09%

Answer: B

Explanation:

Let price of each article = Rs. 100

$$\Rightarrow \text{Total cost price of 80 articles} = 80 \times 100 = \text{Rs. } 8000$$

Now, after removing 25% defective articles, selling price of remaining 60 articles = Rs. 150

$$\Rightarrow \text{Total selling price} = 60 \times 150 = \text{Rs. } 9000$$

$$\therefore \text{Overall profit \%} = \frac{(9000 - 8000)}{8000} \times 100$$

$$= \frac{1000}{80} = 12.5\%$$

\Rightarrow Ans - (B)

Question 71

If $a : b = 4 : 5$, then what will be the ratio of $\left(\frac{a}{b}\right) : \left(\frac{b}{a}\right)$?

A 4 : 5

B 5 : 4

C 16 : 25

D 1 : 1

Answer: C

Explanation:

Given = $a : b = 4 : 5$

Let $a = 4$ and $b = 5$

To find = $\left(\frac{a}{b}\right) : \left(\frac{b}{a}\right)$

$$= a^2 : b^2 = 16 : 25$$

\Rightarrow Ans - (C)

Instructions

The table given below shows the runs scored by 4 different batsmen B1, B2, B3 and B4 in 5 different matches of a series.

	Matches				
	M1	M2	M3	M4	M5
B1	120	95	83	86	20
B2	12	8	0	196	52
B3	23	36	45	19	27
B4	56	65	85	45	42

Question 72

What is the per batsman average runs scored by these batsmen in M5?

- A 38.50
- B 39.25
- C 35.25
- D 32.75

Answer: C

Explanation:

Total runs scored in M5 = $20 + 52 + 27 + 42 = 141$

=> Required average = $\frac{141}{4} = 35.25$

=> Ans - (C)

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Instructions

For the following questions answer them individually

Question 73

Vivek, Dev and Lalit alone can complete a work in 10 days, 15 days and 20 days respectively. In how many days Vivek and Dev together can complete half of the same work?

- A 9 days
- B 5 days
- C 3 days
- D 6 days

Answer: C

Explanation:

Let total work to be done = L.C.M. (10,15,20) = 60 units

Vivek complete the work in 10 days, => Vivek's efficiency = $\frac{60}{10} = 6$ units/day

Similarly, Dev's efficiency = $\frac{60}{15} = 4$ units/day

=> (Vivek+Dev)'s 1 day's work = $(6 + 4) = 10$ units/day

∴ Time taken by them to complete half the work = $\frac{30}{10} = 3$ days

=> Ans - (C)

Question 74

An article is sold for ₹5360 after giving discount of 20%. What is the marked price of article?

- A ₹6800
- B ₹6700
- C ₹6620
- D ₹7000

Answer: B

Explanation:

Selling price of article = Rs. 5360 after 20% discount

$$\Rightarrow \text{Marked price} = \frac{5360}{100-20} \times 100$$

$$= \frac{5360}{4} \times 5 = \text{Rs. } 6700$$

\Rightarrow Ans - (B)

Question 75

If a person is driving a car at a speed of 30 m/s, then in how much time will a person cover a distance of 1620 km?

- A 54 hr
- B 15 hr
- C 13 hr
- D 12 hr

Answer: B

Explanation:

$$\text{Speed of car} = 30 \text{ m/s} = 30 \times \frac{18}{5} = 108 \text{ km/hr}$$

$$\Rightarrow \text{Time taken} = \frac{1620}{108} = 15 \text{ hours}$$

\Rightarrow Ans - (B)

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English

Instructions

For the following questions answer them individually

Question 76

Select the most appropriate synonym of the given word.

ENORMOUS

- A Keen
- B Grand
- C Huge
- D Puny

Answer: C

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Question 77

Fill in the blanks with the most appropriate words.
Rohit taught you such tricks as these, ?

- A didn't he
- B hasn't he
- C has he
- D did he

Answer: A

Instructions

Select the word which means the same as the group of words given.

Question 78

A person with odd personality

- A Eccentric
- B Egoist
- C Entomologist
- D Ecologist

Answer: A

Question 79

Handwriting that cannot be read

- A Legible
- B Corrigible
- C Negligible
- D Illegible

Answer: D

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Instructions

Identify the segment in the sentence which contains the grammatical error from the given options.

Question 80

Buses run from this bus stand every few minutes because you shall not have to wait.

- A Buses run from
- B every few minutes

C have to wait

D because you shall

Answer: D

Question 81

She gave a loud shout, which heard across the village.

A She gave

B loud shout

C which heard

D across the village

Answer: C

Instructions

For the following questions answer them individually

Question 82

Select the most appropriate word to fill in the blank.

The forest officers a leopard cub trapped in a pit.

A discovered

B founded

C invented

D searched

Answer: A

SSC GD Constable Previous Papers

Question 83

Select the most appropriate meaning of the given idiom.

Get out of hand

A Appreciable

B Uncontrollable

C Manageable

D Controllable

Answer: B

Question 84

Select the most appropriate synonym of the given word.

DUBIOUS

A Delicate

- B Dutiful
- C Duplicate
- D Doubtful

Answer: D

Question 85

Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select No improvement.

Rishi cleared the IIT entrance examination but do not pursue engineering due to personal reasons.

- A did not pursue
- B was not pursuing
- C No improvement
- D has not pursue

Answer: A

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Question 86

Select the most appropriate antonym of the given word.

ORDINARY

- A Unique
- B Common
- C Normal
- D Regular

Answer: A

Question 87

Fill in the blanks with the most appropriate words.

They did it as you them to.

- A are telling
- B had told
- C tell
- D will tell

Answer: B

Question 88

Select the correctly spelt word.

- A Playwright

- B Playwrite
- C Playwriter
- D Playright

Answer: A

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Question 89

Select the most appropriate meaning of the given idiom.
To hold your horses

- A To control horses
- B To have patience
- C To be too quick
- D To be excited

Answer: B

Instructions

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given.

Passage:

Suppose you have to make a payment of Rs. 100, you can do so in coins; but it would be(1) to pay in nickel or copper coins, because it takes much time to(2) them. The government(3) permits you to make the payment in(4) What are these notes really? They are a kind of money although they are made of(5) instead of metal.

Question 90

Fill in blank (1) with the most appropriate option.

- A cumbersome
- B feasible
- C practical
- D easy

Answer: A

Question 91

Fill in blank (2) with the most appropriate option.

- A count
- B pay
- C hold
- D carry

Answer: A

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Question 92

Fill in blank (3) with the most appropriate option.

- A although
- B so
- C then
- D therefore

Answer: D

Question 93

Fill in blank (4) with the most appropriate option.

- A notes
- B coins
- C card
- D currency

Answer: A

Question 94

Fill in blank (5) with the most appropriate option.

- A paper
- B plastic
- C wood
- D cloth

Answer: A

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Instructions

Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select No improvement.

Question 95

Don't talk as soon as she is dancing.

- A how
- B as long as
- C but

D No improvement

Answer: B

Question 96

India expressed concern at the arrest of 130 Indian students enrolling at a fake university in Detroit.

A enrolling in a fake university

B No improvement

C enrolled at a fake university

D enroll by a fake university

Answer: C

Instructions

For the following questions answer them individually

Question 97

Select the correctly spelt word.

A Succesfully

B Successfuly

C Sucessfully

D Successfully

Answer: D

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Question 98

Identify the segment in the sentence which contains the grammatical error from the given options.
The work is too much for any man to do single-hand.

A too much

B The work is

C any man to

D single-hand

Answer: D

Question 99

Select the most appropriate antonym of the given word.
VIGOROUS

A Feeble

B Curious

C Trivial

D Strong

Answer: A

Question 100

Select the most appropriate word to fill in the blank.
Is hall be glad if you my proposal.

A except

B expect

C intercept

D accept

Answer: D

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