



SSC MTS 2nd August 2019 Shift-2

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Instructions

For the following questions answer them individually

Question 1

Select the most appropriate synonym of the given word.

Misfortune

- A Benefit
- B Miracle
- C Calamity
- D Support

Answer: C

SSC CHSL Previous Papers (DOWNLOAD PDF)

Question 2

Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.

All the students/is done/better this year.

- A No error
- B is done
- C All the students
- D better this year

Answer: B

Question 3

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.

Who can prevent you from getting married now that you are within age?

- A of
- B on
- C No improvement
- D in

Answer: A

Question 4

A sentence has been given with a blank to be filled with an appropriate word. Choose the correct alternative.

The bullet struck a wall and was _____ from its course.

- A deflected
- B crashed

- C twisted
- D reflected

Answer: A

SSC Stenographer Previous Papers (Download PDF)

Question 5

In the following question, out of the given four alternatives, select the alternative which best expresses the meaning of the Idiom/Phrase.

Over my dead body

- A Erecting a grave stone
- B Inheriting to fortune
- C Opposing something fiercely
- D Threatening to kill oneself

Answer: C

Instructions

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Comprehension:

Sanitation refers to public health conditions (1)_____ to clean drinking water and adequate treatment and disposal (2)_____ human waste and sewage. (3)_____ human contact with faeces is part of sanitation. Sanitation system (4)_____ to protect human health by providing a clean environment (5) _____ will stop the transmission of disease.

Question 6

Select the most appropriate option for blank No. 1.

- A relate
- B relates
- C relation
- D related

Answer: D

Question 7

Select the most appropriate option for blank No. 2.

- A in
- B of
- C with
- D for

Answer: B

SSC GD Constable Previous Papers

Question 8

Select the most appropriate option for blank No. 3.

- A Facilitating
- B Prohibiting
- C Hampering
- D Preventing

Answer: D

Question 9

Select the most appropriate option for blank No. 4.

- A paves
- B directs
- C ignores
- D aims

Answer: D

Question 10

Select the most appropriate option for blank No. 5.

- A whom
- B that
- C who
- D these

Answer: B

SSC MTS Previous Papers (DOWNLOAD PDF)

Instructions

For the following questions answer them individually

Question 11

Select the most appropriate option to fill in the blank.

He _____ his portrait in the main hall.

- A hung
- B hang
- C hanged
- D had hanged

Answer: A

Question 12

Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.
Rakesh is foolish/to said/such things.

- A to said
- B such things
- C Rakesh is foolish
- D No error

Answer: A

Question 13

In the following question, out of the given four alternatives, select the alternative which best expresses the meaning of the Idiom/Phrase.

To end in smoke

- A To come to nothing
- B To be the cause of a quarrel
- C To do one's duty well
- D To not agree to something

Answer: A

SSC CGL Previous Papers (DOWNLOAD PDF)

Question 14

Select the most appropriate antonym of the given word.
Comic

- A Tragic
- B Tickle
- C Happy
- D Jubilant

Answer: A

Question 15

Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.
My aunt/sold her boutique/to a billionaire.

- A No error
- B to a billionaire
- C sold her boutique
- D My aunt

Answer: A

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 16

The doctor has reassure me that the operation was a routine one.

- A is reassured me
- B had reassured me
- C No Improvement
- D reassure me

Answer: B

SSC CGL Free Mock Test (Latest Pattern)

Question 17

Mohan is pleased at the news yesterday.

- A had being pleased
- B has been pleased
- C was pleased
- D No Improvement

Answer: C

Instructions

Choose the word that can substitute the given sentence.

Question 18

A building where an audience sits

- A Aisle
- B Auditorium
- C Gymnasium
- D Hanger

Answer: B

Question 19

A book of names and addresses

- A Journal
- B Directory
- C Dictionary

D Diary

Answer: B

SSC CHSL Free Mock Test (Latest Pattern)

Instructions

For the following questions answer them individually

Question 20

A sentence has been given with a blank to be filled with an appropriate word. Choose the correct alternative.
I am _____ of winning the competition.

A confident

B resistant

C reliant

D pertinent

Answer: A

Question 21

Select the most appropriate synonym of the given word.
Capable

A Conceited

B Consistent

C Complacent

D Competent

Answer: D

Question 22

Select the most appropriate antonym of the given word.
Inexpensive

A Reasonable

B Dear

C Popular

D Liberal

Answer: B

SSC Stenographer Previous Papers (Latest Pattern)

Question 23

Choose the correctly spelt word.

A Anthusiasm

- B Enthusiasm
- C Entheusiasm
- D Enthusiasm

Answer: D

Question 24

Select the most appropriate option to fill in the blank.
My teacher is the _____ of all.

- A kinder
- B kind
- C kindly
- D kindest

Answer: D

Question 25

Choose the correctly spelt word.

- A Finencially
- B Financialy
- C Finantially
- D Financially

Answer: D

SSC GD Constable Free Mock Test (Latest Pattern)

Reasoning

Instructions

For the following questions answer them individually

Question 26

In a certain code language, 'PRINT' is written as '96512' and 'FROM' is written as '8603'. What will be the code for 'PROMPT' in that code language?

- A 960392
- B 980392
- C 960398
- D 960395

Answer: A

Explanation:

In this question the type of coding is called direct coding. Here, P=9, R=6, I=5, N=1, T=2 and F=8, R=6, O=0, M=3

So, according to this coded number we can write PROMPT= 960392

SSC MTS Free Mock Test (Latest Pattern)

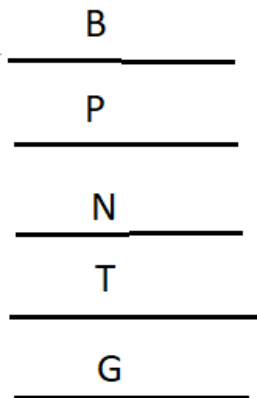
Question 27

Five books labelled B, G, N, P and T are kept one above the other (not necessarily in the same order). Only one book is kept between N and G. B is just above P. B is above N. G is not above N. Which book is at the top?

- A G
- B B
- C P
- D T

Answer: B

Explanation:



So, book B is at the topmost position.

Question 28

In a certain code language, 'TAN' is written as '33' and 'PAM' is written as '28'. What will be the code for 'BUG' in that code language?

- A 29
- B 28
- C 30
- D 32

Answer: B

Explanation:

Here, T=20, A=1, N=14

So, $(20+1+14)-2 = 33$

$P=16, A=1, M=13$

So, $(16+1+13)-2 = 28$

So, $B=2, U=21, G=7$

$(2+21+7)-2 = 28$

Question 29

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

Den : Lion :: Stable : ?

- A Bird
- B Car
- C Horse
- D Tiger

Answer: C

Explanation:


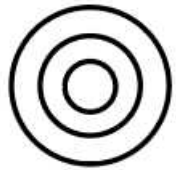
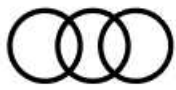
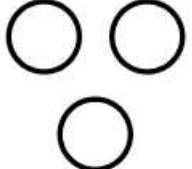
Den is the living place of Lion similarly, Stable is the living place of Horse.

SSC CPO Free Mock Test (Latest Pattern)

Question 30

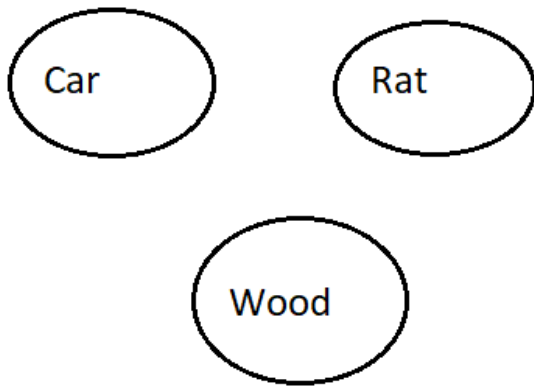
Identify the diagram that best represents the relationship between the given classes.

Car, Wood, Rat

- A 
- B 
- C 
- D 

Answer: D

Explanation:



The above mentioned things are completely different from each other so they are represented in three different Venn diagram.

Instructions

Select the number that can replace the question mark (?) in the following series.

Question 31

43, 31, 74, 105, 179, ?

- A 294
- B 263
- C 279
- D 284

Answer: D

Question 32

69, 109, 159, 219, 289, ?

- A 369
- B 349
- C 359
- D 379

Answer: A

Explanation:

69, 109, 159, 219, 289, 369
(+40) (+50) (+60) (+70) (+80)

SSC MTS Free Preparation App

Instructions

For the following questions answer them individually

Question 33

If the two signs, ' \times ' and ' \div ' are interchanged, which of the following equations will be correct?

A $14 + 62 \times 13 \div 31 = 38$

B $14 + 9 \div 24 \times 3 = 86$

C $63 + 59 \div 4 \times 8 = 171$

D $11 \times 12 \div 48 + 6 = 40$

Answer: B

Explanation:

If we interchange ' \times ' and ' \div ' then-

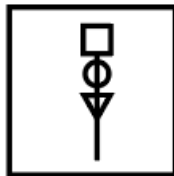
$$14 + 9 \times 24 \div 3$$

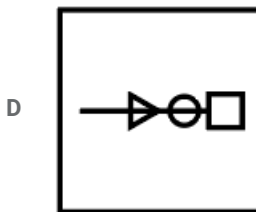
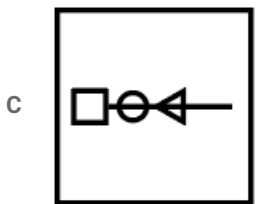
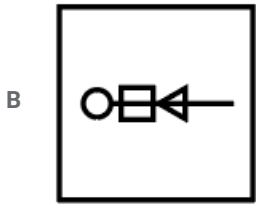
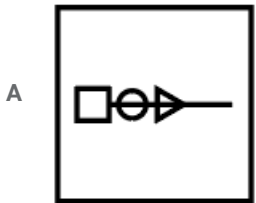
$$= 14 + 72$$

$$= 86$$

Question 34

Select the figure that will come next in the following series.





Answer: A

Explanation:

Here the given figure is moving in 45 degree anti clockwise direction. So the answer figure will be option A.

Question 35

Study the given pattern carefully and select the number that can replace the question mark (?) in it.

4	11	19
5	6	0
9	13	3
18	30	?

A 24

B 20

C 22

D 18

Answer: C

Explanation:

Here in the first column $(4+5+9)=18$

Similarly in second column $(11+6+13)=30$

and in answer column $(19+0+3)=22$

Question 36

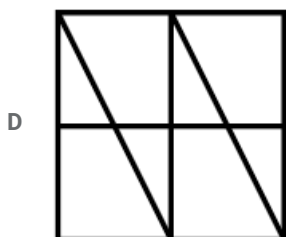
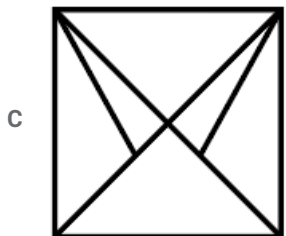
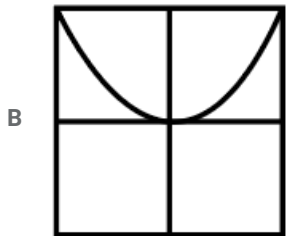
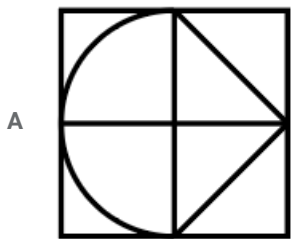
Select the letter-pair that can replace the question mark (?) in the following series.
KP, HM, EJ, BG, ?

- A XC
- B ZE
- C YC
- D YD

Answer: D

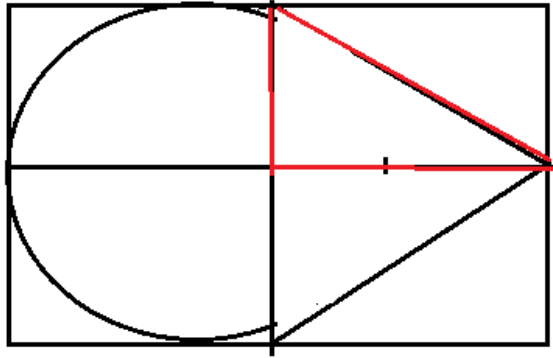
Question 37

Select the option in which the given figure is embedded. (Rotation not allowed)



Answer: A

Explanation:



The embedded portion is highlighted with red color.

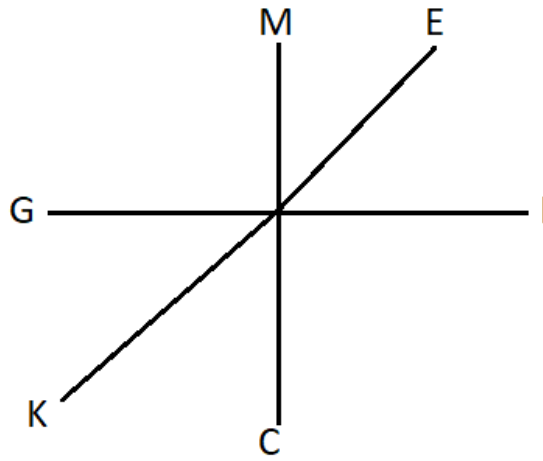
Question 38

Six friends, C, E, G, I, K and M, are sitting around a circular table facing towards the centre and at equal distance from each other (not necessarily in the same order). E is second to the right of C. K is to the immediate right of G. G and I are facing towards each other. Moving towards the left of I, how many friends are sitting between I and M?

- A 3
- B 0
- C 2
- D 1

Answer: A

Explanation:



As all of them are facing towards the center so if we count from the left of I then between I and M only three people are sitting- C,K,G.

SSC Exam Free Videos (Youtube)

Question 39

If digit 2 is interchanged with digit 1, then what will be the value of the following equation?

$$9 + 6 \div 4 \times 21 - 5 = ?$$

- A 23
- B 29
- C 22
- D 24

Answer: C

Explanation:

If we interchange digit 2 with 1 then-

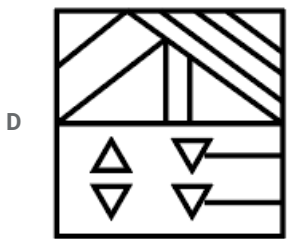
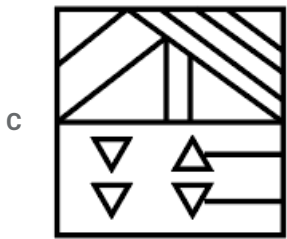
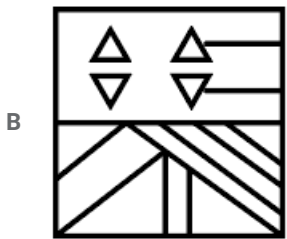
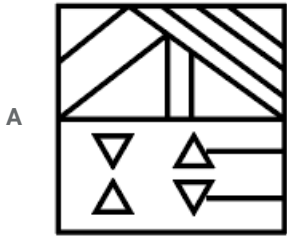
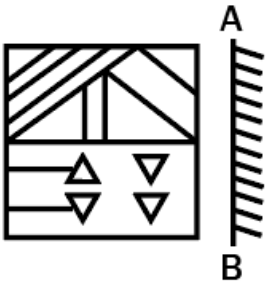
$$9 + 6 \div 4 \times 12 - 5$$

$$= 9 + 18 - 5$$

$$= 22$$

Question 40

Select the correct mirror image of the given figure when the mirror is placed at line AB.



Answer: C

Question 41

Select the option that is related to the third letter-pair in the same way as the second letter pair is related to the first letter-pair.
PB : UW :: JT : ?

A PP

B MO

C OO

D NO

Answer: C

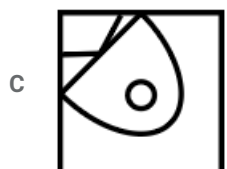
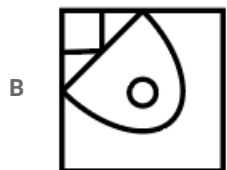
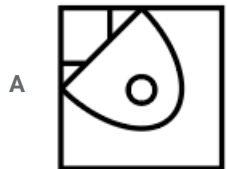
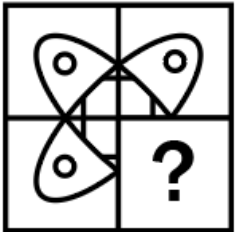
Explanation:

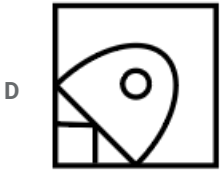
16	2	10	20
P	B	J	T
U	W	O	O
21	23	15	15
(+5)	(-5)	(+5)	(-5)

SSC Study Material

Question 42

Study the given pattern carefully and select the figure that can replace the question mark (?) in it.





Answer: A

Question 43

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

I. Some K are M.

II. No T is M.

Conclusions:

I. Some T are K.

II. Some M are K.

A Only conclusion I follows.

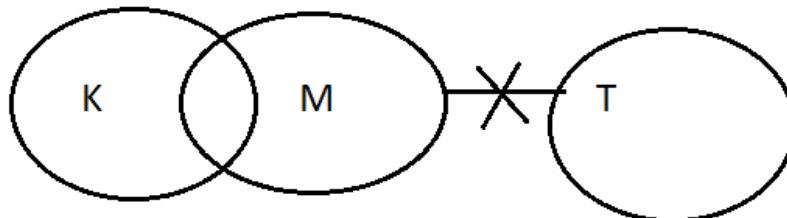
B None of the conclusions follows.

C Only conclusion II follows.

D Both conclusions I and II follow.

Answer: C

Explanation:



Here conclusion two is correct as some portion of K is M. But T is not associated with K.

Question 44

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

36 : 109 :: 25 : ?

- A 72
- B 76
- C 74
- D 78

Answer: B

Explanation:

Here, 109 is related to 36 in the following way-

$$109 = 36 \times 3 + 1$$

Similarly,

$$76 = 25 \times 3 + 1$$

SSC Daily Practice Set

Question 45

Select the word pair in which the two words are related in the same way as the two words in the following word-pair.

Circle : Figure

- A Rodent : Reptile
- B Toy : Play
- C Car : Driver
- D Sharpener : Stationery

Answer: D

Explanation:

Circle is a type of diagram or figure. Similarly Sharpener is a type of stationary item.

Question 46

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some pots are lamps.

All lamps are trees.

No tree is branches.

Conclusions:

I. Some pots are branches.

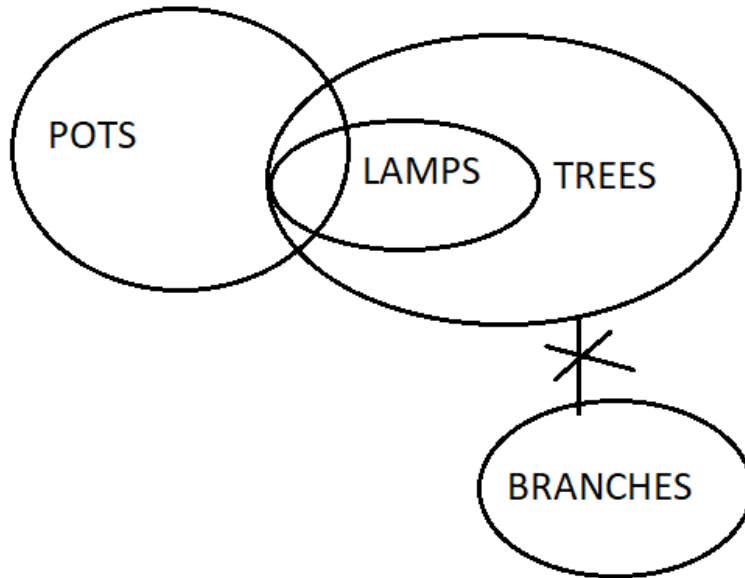
II. Some trees are lamps.

III. Some branches are lamps.

- A Conclusions I and III follow
- B Only conclusion III follows
- C Only conclusion II follows
- D Conclusions I and II follow

Answer: C

Explanation:



Here only conclusion two is correct i.e; some portion of trees are lamps. But branches is not at all connected with pots or lamps so other two conclusion are not true.

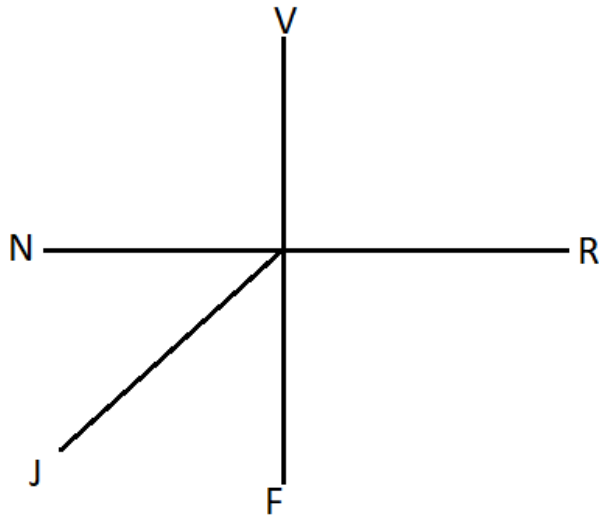
Question 47

Five persons, F, J, N, R and V, are sitting around a circular table facing towards the centre (not necessarily in the same order). J is to the immediate left of F. N is second to the left of F. V is second to the left of J. Who is sitting second to the right of J?

- A V
- B N
- C F
- D R

Answer: D

Explanation:



As all of them are facing towards center so R is second to the right of J.

SSC GK Free Tests

Question 48

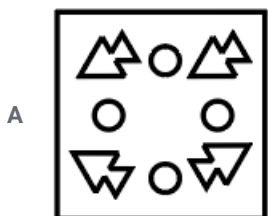
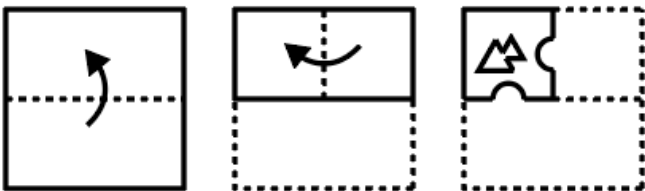
In a certain code language, 'GREAT' is written as 'ALYUN'. What will be the code for 'RAPID' in that code language?

- A LVJCX
- B RVKDY
- C SWLEZ
- D LUJCX

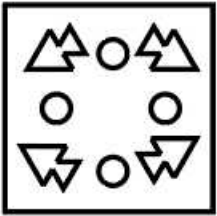
Answer: D

Question 49

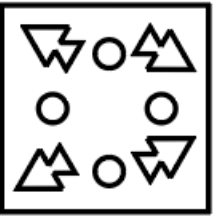
A paper is folded and cut as shown below. How will it appear when unfolded?



B



C



D



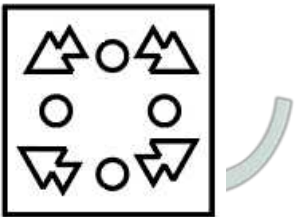
Answer: B

Explanation:

When the paper is unfolded for the first time, two semicircles will be present at the bottom and a circle will be present in the middle. Also two arrows will be present in opposite directions.

When it is unfolded for the second time (full paper), the semicircles of above step will become two circles and another circle will be present in the middle of the unfolded area. Again the two arrows will be present in opposite directions in the unfolded area.

which looks like:



so option B is the answer.

Question 50

In a certain code language, 'STEALH' is written as 'UXGENL'. What will be the code for 'ROBNRT' in that code language?

- A UTESUY
- B UTFSUY
- C TSERTX
- D TSDRTX

Answer: D

Explanation:

As per the english alphabetical order, the pattern followed is:

+2 +4 +2 +4 +2 +4
S T E A L H
| | | | | |
U X G E N L

Therefore in the same way ROBNRT can be written as TSDRTX.

SSC GK Questions

Quant

Instructions

For the following questions answer them individually

Question 51

If $U + V = 80$ and $U : V = 5 : 3$, then what is the value of $U - V$?

- A 15
- B 30
- C 25
- D 20

Answer: D

Explanation:

Given,

$$U + V = 80 \text{ and } U:V = 5:3$$

let U and V be $5x$ and $3x$ respectively.

Substituting U and V in $U + V = 80$,

$$5x + 3x = 80$$

$$8x = 80$$

$$x = 10$$

substituting x in $5x$ and $3x$, we get $U = 50$ and $V = 30$.

Therefore, $U - V = 50 - 30 = 20$

Current Affairs Question and Answers (Download PDF)

Question 52

Aman spends 10% of his salary on food. He spends 20% of the remaining part on fuel. If he is left with ₹4680, then what is his salary?

- A ₹5000
- B ₹6000
- C ₹5500
- D ₹6500

Answer: D

Question 53

If after two years a sum becomes ₹4000 and after four years it becomes ₹6000 at the same rate of compound interest (compounded annually), then what is the sum?

- A ₹22888.88
- B ₹2866.66
- C ₹2666.66
- D ₹22777.77

Answer: C

Question 54

What is the value of

$$7 \div 2 - [3 \text{ of } 7 \div 4 \div \{(2 \div 5) \times (25 \div 8) \div (5 \div 2)\}]?$$

- A -7
- B -8
- C -9
- D -1

Answer: A

Explanation:

$$7 \div 2 - [3 \text{ of } 7 \div 4 \div \{(2 \div 5) \times (25 \div 8) \div (5 \div 2)\}]$$

$$7 \div 2 - [3 \text{ of } 7 \div 4 \div \{ \frac{2}{5} \times \frac{25}{8} \times \frac{2}{5} \}]$$

$$\frac{7}{2} - [3 \times \frac{7}{4} \times 1]$$

$$\frac{7}{2} - \frac{21}{2}$$

$$\frac{-14}{2} = -7$$

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Question 55

If $x + y + z = 400$ and $x : y : z = 1 : 1 : 2$, then what is the value of z ?

- A 100
- B 200
- C 150
- D 120

Answer: B

Explanation:

Given,

$$x + y + z = 400 \text{ and } x : y : z = 1 : 1 : 2$$

$$\text{let } x = 1p; y = 1p; z = 2p$$

Substituting these values in $x + y + z = 400$

$$1p + 1p + 2p = 400$$

$$4p = 400$$

$$p = 100$$

Therefore $z = 2p = 2 \times 100 = 200$.

Question 56

Speed of a boat in still water is 8 km/h. If the speed of stream is 2 km/h, then how much distance can the boat travel in two hours going up stream?

- A 16 km
- B 20 km
- C 14 km
- D 12 km

Answer: D

Explanation:

Given,

Speed of a boat in still water is 8 km/h and the speed of stream is 2 km/h.

Upstream speed = speed in still water - speed of stream

therefore upstream speed = $8 - 2 = 6$.

Distance the boat travels in two hours going up stream = $6 \times 2 = 12$ km

Question 57

An article is sold for ₹1725 at 15% profit. If it is sold at 15% loss, then what will be the selling price?

- A ₹1325
- B ₹1275
- C ₹1475
- D ₹1025

Answer: B

Explanation:

Given,

An article is sold for ₹1725 at 15% profit,

let cost price be x .

To find the cost price, $x \times \frac{100+15}{100} = 1725$

$$x \times \frac{115}{100} = 1725$$

$$x = 1725 \times \frac{100}{115}$$

$$x = 75 \times 20$$

$$x = 1500$$

If the article was sold at 15% loss,

$$1500 \times \frac{100-15}{100}$$

$$1500 \times \frac{85}{100}$$

$$15 \times 85 = 1275$$

therefore option B is the answer.

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Question 58

The perimeter of a rhombus is 20 cm. The length of one of its diagonals is 6 cm. What is the length of the other diagonal?

- A 9 cm
- B 6 cm
- C 8 cm
- D 10 cm

Answer: C

Question 59

Average of 49, 62, 37, 55 and x is 53. What is the value of x?

- A 62
- B 56
- C 76
- D 68

Answer: A

Explanation:

Given,

Average of 49, 62, 37, 55 and x is 53

$$\text{i.e., } \frac{49+62+37+55+x}{5} = 53$$

$$\frac{203+x}{5} = 53$$

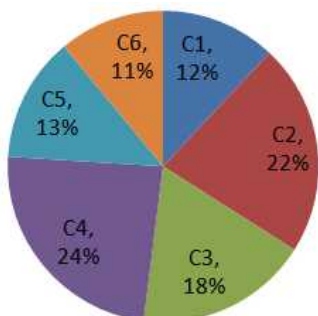
$$203 + x = 265$$

$$x = 62.$$

Instructions

The Pie Chart given below presents the number of laptops as a percentage of the total number of laptops in an office delivered by six different companies.

The central angles shown in the Pie Chart are not as per any chosen scale.



Question 60

If the total number of laptops in the office is 3800, then what is the difference in number of laptops of Companies C2 and C5?

- A 342
- B 382
- C 322
- D 362

Answer: A

Explanation:

Given,

The total number of laptops in the office is 3800.

From the pie chart it is known that, Percentage of laptops delivered by C2 is 22% and C5 is 13%.

Difference in number of laptops of Companies C2 and C5 is,

$$\left(\frac{22}{100} \times 3800\right) - \left(\frac{13}{100} \times 3800\right)$$

$$(22 \times 38) - (13 \times 38)$$

$$836 - 494$$

$$342$$

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Question 61

What is the central angle in degrees (correct up to one decimal place) corresponding to the laptops delivered by Company C6?

- A 51.7°
- B 39.6°
- C 45.1°
- D 52.8°

Answer: B

Explanation:

Percentage of laptops delivered by C6 is 11%.

To find the angle,

$$\frac{11}{100} \times 360$$

$$\frac{11}{5} \times 18$$

$$39.6$$

Therefore the central angle in degree corresponding to the laptops delivered by Company C6 is 39.6°

Question 62

What is the ratio of the number of laptops of Company C1 to that of Company C3?

- A 2 : 1
- B 2 : 3

C 6 : 11

D 12 : 11

Answer: B

Explanation:

Let the total number of laptops in the office be 100.

C1 has delivered 12% of total laptops while C3 has delivered 18%.

Therefore the ratio of the number of laptops of Company C1 to that of Company C3 is,

$$\frac{12}{100} \times 100 : \frac{18}{100} \times 100$$

12 : 18

2 : 3

Instructions

For the following questions answer them individually

Question 63

A person deposited ₹500 for 2 years, ₹600 for 5 years and ₹1000 for 6 years all at the same rate of simple interest. If he received the total simple interest of ₹1000, then what is the rate of interest per annum?

A 10%

B 5%

C 20%

D 15%

Answer: A

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Question 64

Mahesh's salary is ₹12000 more than the Sumit's salary. If the ratio of Mahesh and Sumit salary is 7 : 4, then what is the salary of Sumit?

A ₹ 18000

B ₹ 12000

C ₹ 20000

D ₹ 16000

Answer: D

Explanation:

Given:

Mahesh's salary is ₹12000 more than the Sumit's salary.

Therefore the difference between Mahesh and Sumit's salary is 12000.

Also given that the ratio of their salary is 7:4

let Mahesh's salary be $7x$ and Sumit's salary be $4x$.

Difference of their salary can be written as $7x - 4x = 12000$

$$3x = 12000$$

$$x = 4000$$

The salary of Sumit is $4x = 4 \times 4000 = 16000$

Question 65

Marked price of an article is ₹2500. It is sold at two successive discounts of 12% and 10% respectively. What is the selling price?

- A ₹2090
- B ₹1760
- C ₹1870
- D ₹1980

Answer: D

Explanation:

Given,

Marked price of an article is ₹2500 and It is sold at two successive discounts of 12% and 10% respectively.

Two successive discounts of 12% and 10% can be written as $\frac{88}{100}$ and $\frac{90}{100}$

Therefore the selling price is,

$$2500 \times \frac{88}{100} \times \frac{90}{100}$$
$$\frac{25 \times 88 \times 90}{100}$$

1980

Hence option D is the answer.

Question 66

The median date of the year 2019 written as DD.MM is:

- A 30.06
- B 02.07
- C 03.07
- D 01.07

Answer: B

Explanation:

2019 is not a leap year, therefore the total number of days in the year 2019 is 365.

To find median day, $\frac{365}{2} = 182.5$

Therefore the 183rd day is the median day, which is 2nd July of 2019.

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Question 67

The difference in selling price of article for selling at 25% profit and 37.5% loss is ₹1250. What will be selling price when it is sold at 12.5% profit?

- A ₹1800
- B ₹2400

C ₹2250

D ₹2500

Answer: C

Question 68

A car can travel a distance of 300 meters in 6 minutes. What is its average speed in km/h?

A 50

B 6

C 3

D 12

Answer: C

Explanation:

Given,

A car can travel a distance of 300 meters in 6 minutes.

To convert 300 meters to kilometer $\rightarrow \frac{300}{1000} = \frac{3}{10} \text{ km}$

To convert 6 minutes to hours $\rightarrow \frac{6}{60} = \frac{1}{10}$

Average Speed = $\frac{\text{Distance}}{\text{Time}}$

$$= \frac{\frac{3}{10}}{\frac{1}{10}}$$

$$= \frac{3}{10} \times \frac{10}{1}$$

$$= 3 \text{ km/hr}$$

Question 69

The length, breadth and height of a cuboid are 15 cm, 12 cm and 11 cm respectively. The length is decreased by $6\frac{2}{3}\%$, the breadth increased by $8\frac{1}{3}\%$, whereas the height is kept unchanged. What is the change in the total area of the four side faces (considering the rectangle contained by the length and breadth as the base) of the cuboid?

A No change

B Increase by 22 cm^2

C Increase by 33 cm^2

D Decrease by 22 cm^2

Answer: A

Explanation:

$l = 15, b = 12, h = 11$

Area of four sides = $2(lh + bh) = 2h(l + b) = 22(15 + 12) = 594$

when dimensions are changed ,

New $l = 14$, New $b = 13$

Area of four sides = $2(lh + bh) = 2h(l + b) = 22(14 + 13) = 594$

There is no change in area of walls.

So, the answer would be option a) No change

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Question 70

A = Highest Common Factor of $\frac{3}{4}$ and $\frac{9}{16}$
B = Least Common Multiple of $\frac{16}{5}$ and $\frac{4}{25}$
What is the value of A + B?

- A $\frac{250}{81}$
- B $\frac{260}{71}$
- C $\frac{70}{23}$
- D $\frac{271}{80}$

Answer: D

Explanation:

LCM of fractions = $\frac{\text{LCM of numerators}}{\text{HCF of denominators}}$

HCF of fractions = $\frac{\text{HCF of numerators}}{\text{LCM of denominators}}$

A = Highest Common Factor of $\frac{3}{4}$ and $\frac{9}{16} = \frac{3}{16}$

B = Least Common Multiple of $\frac{16}{5}$ and $\frac{4}{25} = \frac{16}{5}$

A+B = $\frac{3}{16} + \frac{16}{5} = \frac{271}{80}$

So, the answer would be option d) $\frac{271}{80}$

Question 71

A alone can do a work in 30 days. B alone can do the same work in 40 days. If they work on alternate days starting with A, then in how many days (correct up to two places of decimal) the work will be completed?

- A 16.33
- B 17.25
- C 32.33
- D 34.25

Answer: D

Explanation:

When A & B work together, their two days work would be

$$\frac{1}{30} + \frac{1}{40} = \frac{7}{120}$$

The work will be completed in $\frac{120}{7} \times 2 = 34.25$

So, the answer would be option d) 34.25

Question 72

Side of a square is 6 cm. What is the area of the largest circle that can be drawn inside the square?

(Take $\pi = \frac{22}{7}$)

- A $\frac{198}{7} \text{ cm}^2$

B $\frac{156}{7} \text{ cm}^2$

C $\frac{252}{7} \text{ cm}^2$

D $\frac{318}{7} \text{ cm}^2$

Answer: A

Explanation:

Side of square is equal to the diameter of circle.

$$2r = 6 \Rightarrow r = 3$$

$$\text{Area of circle} = \pi r^2 = \pi 3^2 = \frac{198}{7} \text{ cm}^2$$

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Question 73

A and B together can do a piece of work in 20 days. B and C together can do the same of work in 25 days. C and A together can do the same work in 15 days. In how many days A alone can do the same work?

A $\frac{600}{23}$

B $\frac{1200}{17}$

C $\frac{600}{17}$

D $\frac{1200}{23}$

Answer: A

Explanation:

A/c to question ,

$$\frac{1}{A} + \frac{1}{B} = \frac{1}{20}$$

$$\frac{1}{B} + \frac{1}{C} = \frac{1}{25}$$

$$\frac{1}{C} + \frac{1}{A} = \frac{1}{15}$$

Adding these equations ,

$$2\left(\frac{1}{A} + \frac{1}{B} + \frac{1}{C}\right) = \left(\frac{1}{20} + \frac{1}{25} + \frac{1}{15}\right)$$

$$\frac{1}{A} + \frac{1}{B} + \frac{1}{C} = \frac{47}{600}$$

$$\frac{1}{A} = \frac{47}{600} - \frac{1}{25} = \frac{23}{600}$$

So, the answer would be option a) $\frac{600}{23}$

Question 74

What is the value of

$$\frac{3}{4} \text{ of } \left(\frac{1}{3} \div \frac{1}{2}\right) + \left(2 - \frac{2}{5}\right) \times \frac{3}{2} + \frac{2}{3}?$$

A $\frac{107}{30}$

B $\frac{103}{25}$

C $\frac{109}{17}$

D $\frac{101}{6}$

Answer: A

Explanation:

$$\frac{3}{4} \text{ of } \left(\frac{1}{3} \div \frac{1}{2} \right) + \left(2 - \frac{2}{5} \right) \times \frac{3}{2} + \frac{2}{3}$$

$$\frac{3}{4} \times \left(\frac{1}{3} \times \frac{2}{1} \right) + \left(\frac{10-2}{5} \right) \times \frac{3}{2} + \frac{2}{3}$$

$$\frac{3}{4} \times \frac{2}{3} + \frac{8}{5} \times \frac{3}{2} + \frac{2}{3}$$

$$\frac{6}{12} + \frac{24}{10} + \frac{2}{3}$$

$$\frac{30+144+40}{60}$$

$$\frac{214}{60} = \frac{107}{30}$$

Therefore option A is the answer.

Question 75

Average weight of 8 gold coins is 20 g per coin. Average weight of 12 silver coins is 35 g per coin. What is the average weight per coin for 20 coins?

A 25 g

B 29 g

C 31 g

D 21 g

Answer: B

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General knowledge

Instructions

For the following questions answer them individually

Question 76

Which battle was fought between Mohammad Ghori and Prithviraj Chauhan?

A Battle of Buxar

B Battle of Khanua

C Battle of Plassey

D Battle of Tarain

Answer: D

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Question 77

Who is the writer of 'The silent cry'?

A John Milton

- B Michel Madhusudan Dutta
- C Haruki Murakami
- D Kenzaburō Ōe

Answer: D

Question 78

Who appoints the Chief Justice of India?

- A Vice President
- B Lok Sabha Speaker
- C Prime Minister
- D President

Answer: D

Question 79

As of June 2019, which nuclear power station of India produces maximum power?

- A Kudankulam
- B Kaiga
- C Rawatbhata
- D Kakrapar

Answer: A

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Question 80

Gurjit Kaur is associated with which of the following sport?

- A Wrestling
- B Hockey
- C Weight Lifting
- D Swimming

Answer: B

Question 81

A book titled 'A Prime Minister to Remember- Memories of a Military Chief' was authored by former Navy Chief Admiral _____.

- A Sushil Kumar
- B Arun Prakash
- C Nirmal Kumar

D Devendra Kumar

Answer: A

Question 82

Surajkund Lake is situated in which of the following state?

A Haryana

B Punjab

C Gujarat

D Rajasthan

Answer: A

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Question 83

The President of 19th session of the Indian National Congress was _____.

A Surendrnath Banerjee

B Lal Mohan Ghosh

C Gopal Krishan Gokhale

D Sir Henry Cotton

Answer: B

Question 84

Gunmetal is an alloy of:

A Copper, Lead, Silver

B Copper, Iron, Nickel

C Copper, Tin, Zinc

D Copper, Zinc, Lead

Answer: C

Question 85

Which of the following is the Largest Cricket Stadium in the world?

A Melbourne Cricket Ground

B Lord's Cricket Stadium

C Eden Gardens

D Perth Stadium

Answer: A

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Question 86

Which of the following Noble gas is used as anesthetic agent?

- A Argon
- B Helium
- C Neon
- D Xenon

Answer: D

Question 87

The Consumer Protection Bill 2018 replaces the Consumer Protection Act which was enacted in _____.

- A 1988
- B 1989
- C 1986
- D 1984

Answer: C

Question 88

'Amukta Malyada' was written by _____.

- A Brahmadeva Raya
- B Harihara Raya
- C Krishnadeva Raya
- D Bukka Raya

Answer: C

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Question 89

Who was the writer of 'Ain-i-Akbari'?

- A Khafi Khan
- B Bhimsen
- C Abul Fazl
- D Akbar

Answer: C

Question 90

Which of the following feature was borrowed from the Union of Soviet Socialist Republics (USSR) in Indian Constitution?

- A Fundamental Rights
- B Concurrent list
- C Preamble
- D Five year Plan

Answer: D

Question 91

Which of the following is the folk dance of Goa?

- A Fugdi
- B Maanch
- C Bihu
- D Fagua

Answer: A

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Question 92

Fiscal Deficit means _____.

- A Total revenue collected by the government
- B Total borrowing of the Government
- C Total expenditure of government
- D Difference between total revenue and total expenditure of the government

Answer: D

Question 93

Dugong is the key fauna of which Biosphere Reserve?

- A Manas
- B Great Runn of Kutch
- C Simlipal
- D Gulf of Mannar

Answer: D

Question 94

In which year the Communist Party was formed in India?

- A 1922

- B 1925
- C 1927
- D 1930

Answer: B

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Question 95

Which of the following festival is celebrated in Odisha?

- A Chappar mela
- B Bali Trutiya
- C Hornbill
- D Bonalu

Answer: B

Question 96

How many members are there in the GST council?

- A 23
- B 33
- C 25
- D 35

Answer: B

Question 97

In which state of India is the Gol Gumbaz situated?

- A Maharashtra
- B Karnataka
- C Andrapradesh
- D Kerala

Answer: B

SSC Study Material

Question 98

Which of the following cell organelles is known as suicide bag?

- A Endoplasmic Reticulum

- B Lysosome
- C Mitochondria
- D Golgi Apparatus

Answer: B

Question 99

Which symbiotic bacterium is responsible for nitrogen fixation?

- A Pseudomonas
- B Rhizobium
- C Lactobacillus
- D Azotobacter

Answer: B

Question 100

Beriberi is caused by deficiency of:

- A Vitamin B3
- B Vitamin B12
- C Vitamin B6
- D Vitamin B1

Answer: D

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