



SSC GD 1st March 2019 Shift-1

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Reasoning

Instructions

For the following questions answer them individually

Question 1

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

Where : Place :: When :

- A There
- B Then
- C Why
- D Time

Answer: D

Explanation:

As where refers to a place, when refers to time.

Where : Place :: When : Time

Option D is correct.

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Question 2

Six friends, P, Q, R, S, T and U, are sitting in a closed circle facing the centre such that each one is facing another one. P is facing S. R is between P and Q. U is between P and T who is sitting right of S. Who is sitting to the immediate right of R?

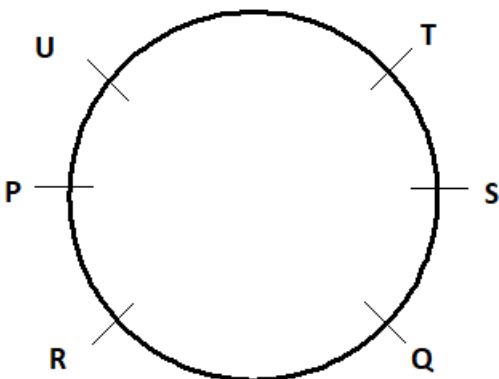
- A P
- B T
- C Q
- D S

Answer: C

Explanation:

Six friends, P, Q, R, S, T and U, are sitting in a closed circle facing the centre such that each one is facing another one.

P is facing S. U is between P and T who is sitting right of S. R is between P and Q.



Q is sitting to the immediate right of R.

Option C is correct.

Question 3

Read the given statements and conclusion carefully and decide which of the following options is true with respect to the given conclusion.

Statements:

The Gateway of India is in Mumbai.

Mumbai is in India.

Conclusion:

The Gateway of India is in India.

A Probably false

B True

C False

D Probably true

Answer: B

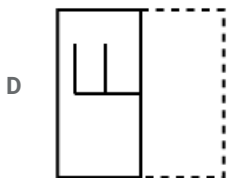
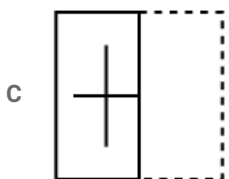
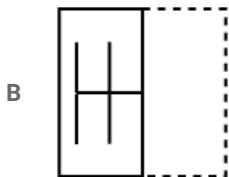
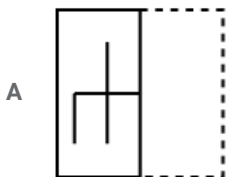
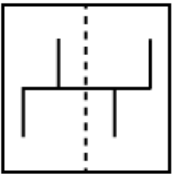
Explanation:

As Mumbai is in India and the Gateway of India happens to be in Mumbai, therefore Gateway of India is in India. Therefore the statement is definitely true.

Option B is correct.

Question 4

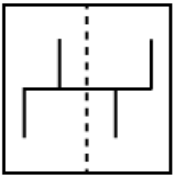
A square transparent sheet with a pattern is given. Select from among the four alternatives how the pattern would appear when the transparent sheet is folded at the dotted line.



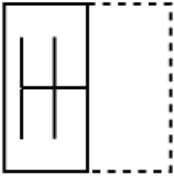
Answer: B

Explanation:

If the transparent sheet with the following pattern is folded along the dotted lines,



the following pattern appears,



Option B is correct.

SSC GD Important Questions and Answers PDF

Question 5

Select the fraction that will next in the following series.

$\frac{2}{3}, \frac{4}{5}, \frac{6}{7}, \frac{8}{9}, \frac{10}{11}, \frac{12}{13},$ _____

A $\frac{14}{15}$

B $\frac{14}{16}$

C $\frac{13}{15}$

D $\frac{13}{14}$

Answer: A

Explanation:

In the following series, the numerators are consecutive even numbers and the denominators are consecutive odds.

$\frac{2}{3}, \frac{4}{5}, \frac{6}{7}, \frac{8}{9}, \frac{10}{11}, \frac{12}{13}, \frac{14}{15}$

Option A is correct.

Question 6

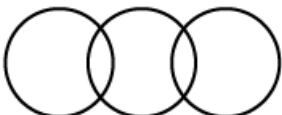
Select the Venn diagram that best illustrates the relationship between the three given classes.

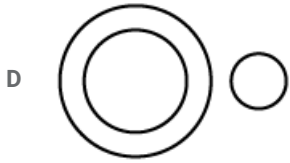
Flowers, Red, Clothes

A



B

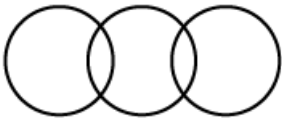




Answer: B

Explanation:

Both Flowers and Clothes can be Red but Clothes and Flowers don't have anything in common. The following Venn diagram explains the relation.



Option B is correct.

Question 7

U, V, W, X, Y and Z are seated in a circle facing the centre such that each one is facing another one. X is between Z and V. U is second to the left of X and second to the right of Y. Who is facing X?

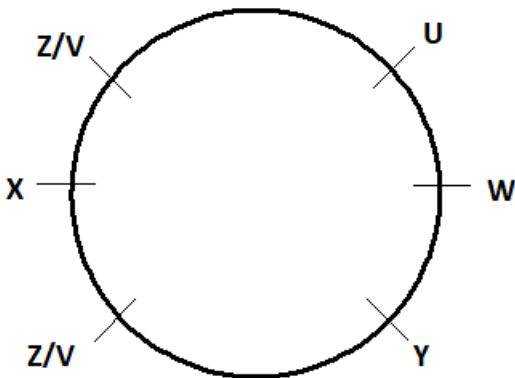
- A W
- B Z
- C Y
- D U

Answer: A

Explanation:

U, V, W, X, Y and Z are seated in a circle facing the centre such that each one is facing another one.

X is between Z and V. U is second to the left of X and second to the right of Y.



W is facing X.

SSC GD Syllabus (Download PDF)

Question 8

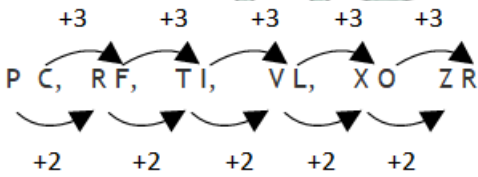
Select the term that will come in the following series.

PC, RF, TI, VL, XO,

- A ZQ
- B ZR
- C YQ
- D YR

Answer: B

Explanation:



Option B is correct.

Question 9

In the following numbers series, two numbers have been put within brackets. Study the series carefully and select the correct alternative with respect to the series.

1, 1, 2, 6, 24, (121), 720, (5040), 40320

- A The first bracketed number (from the left) is correct and the second is incorrect.
- B The first bracketed number (from the left) is incorrect and the second is correct.
- C Both the bracketed numbers are in correct.
- D Both the bracketed numbers are correct.

Answer: B

Explanation:

$$1 \times 1 = 1$$

$$1 \times 2 = 2$$

$$2 \times 3 = 6$$

$$6 \times 4 = 24$$

$$24 \times 5 = 120$$

$$120 \times 6 = 720$$

$$720 \times 7 = 5040$$

$$5040 \times 8 = 40320$$

Option B is correct.

Question 10

If D = 3, G = 6, and FUN = 38, then PRESIDENT =

- A 119
- B 110

C 100

D 101

Answer: D

Explanation:

The values of each alphabet is (Corresponding values of alphabet) -1 i.e $D = 4 - 1 = 3$

$F = 6 - 1 = 5$

$U = 21 - 1 = 20$

$N = 14 - 1 = 13$

As, $FUN = 5 + 20 + 13 = 38$

Therefore, $PRESIDENT = 15 + 17 + 4 + 18 + 8 + 3 + 4 + 13 + 19 = 101$

Option D is correct.

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Question 11

If SQUARE is coded as TSXEWK, then TRIANGLE will be coded as

A UTLFMSM

B UTLESNSM

C UTLESMSM

D UTLESMSN

Answer: C

Explanation:

S	Q	U	A	R	E
↓ +1	↓ +2	↓ +3	↓ +4	↓ +5	↓ +6
T	S	X	E	W	K

T	R	I	A	N	G	L	E
↓ +1	↓ +2	↓ +3	↓ +4	↓ +5	↓ +6	↓ +7	↓ +8
U	T	L	E	S	M	S	M

Option C is correct.

Question 12

Select the word-pair that is analogous to the given word-pair.

France : Paris

A Iran: Rial

B India : Mumbai

C Cuba : Havana

D China : Yuan

Answer: C

Explanation:

Here the pattern is Country : Capital

Havana is the capital of Cuba

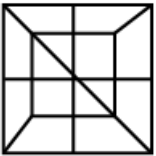
Option C is correct.

Question 13

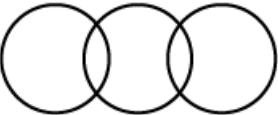
Select the option in which the given figure is embedded.



A



B



C



D



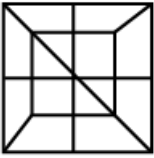
Answer: A

Explanation:

If we look closely and carefully,



can be seen embedded in the figure



Option A is correct.

SSC CPO Previous Question papers (download pdf)

Question 14

Select the number that DOES NOT belong to the following group.

3, 6, 9, 12, 15, 18, 21, 24, 28, 30

- A 28
- B 30
- C 18
- D 15

Answer: A

Explanation:

All the numbers in the series are multiples of 3. 28 is not a multiple of 3 ($28 = 7 \times 2 \times 2$)

Option A is correct.

Question 15

Select the number-pair that is different from the rest.

- A 7-345
- B 5-125
- C 9-729
- D 3-27

Answer: A

Explanation:

$Value = Number^3$

$$7^3 = 343$$

Option A is correct.

Question 16

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

AIM

- A AIM
- B MIA
- C AIW
- D WIA

Answer: B

Explanation:

Mirror image of AIM,

AIM | MIA

Option B is correct.

SSC MTS Previous Question papers (download pdf)

Question 17

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

A Brother : Sister

B Lion : Lioness

C Bear : Cub

D Cock : Hen

Answer: C

Explanation:

Here the pair of words are opposite genders.

Female bear are called Sows and Cubs are young bears.

Option C is correct.

Question 18

The statements below are followed by three conclusions labeled I, II and III. 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:

All balls are boats.

All boats are cars.

Conclusions:

I. Some cars are balls.

II. All balls are cars.

III. All cars are balls.

A All the conclusions follow.

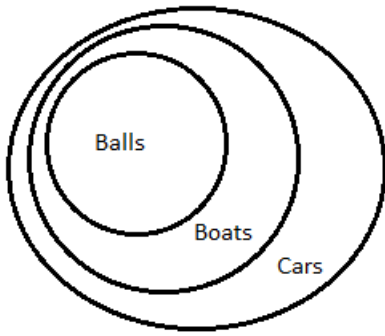
B Only conclusion III follows.

C Only conclusions II and III follow.

D Only conclusions I and II follow.

Answer: D

Explanation:



From the Venn diagram,

Some cars are balls - True

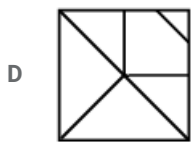
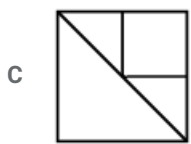
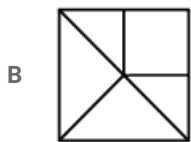
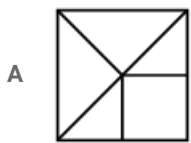
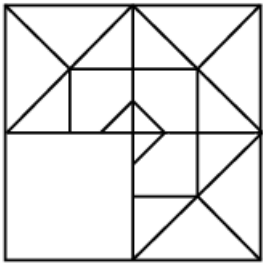
All balls are cars - True

All cars are balls - False

Option D is correct.

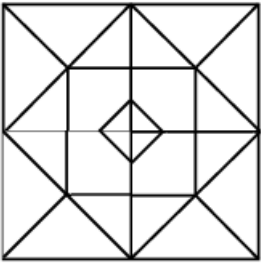
Question 19

Select the correct option to complete the following pattern.



Answer: D

Explanation:



Option D is correct.

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Question 20

Which two signs need to be interchanged to make the given equation correct?

$$20 \div 10 \times 100 - 10 + 100 = 110$$

A + and \div

B \times and $-$

C \div and \times

D + and $-$

Answer: D

Explanation:

Using D in the equation $20 \div 10 \times 100 - 10 + 100$ and replacing + and $-$,

$$\text{we get } 20 \div 10 \times 100 + 10 - 100 = 110$$

$$= 2 \times 100 + 10 - 100 = 110$$

$$= 200 + 10 - 100 = 110$$

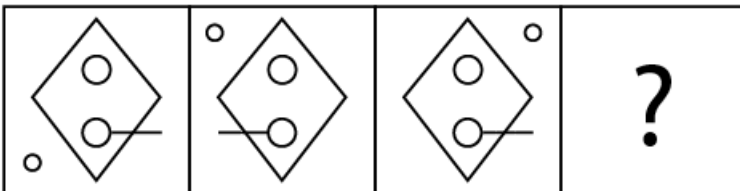
$$\Rightarrow 210 - 100 = 110$$

$$\Rightarrow 110 = 110$$

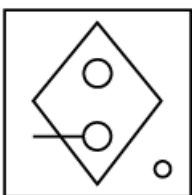
Option D is correct.

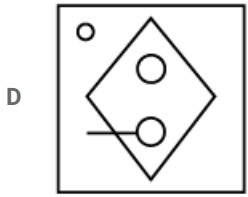
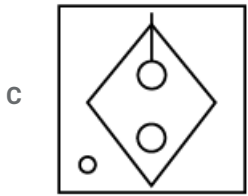
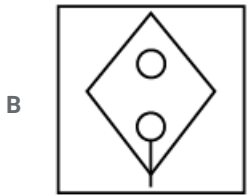
Question 21

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



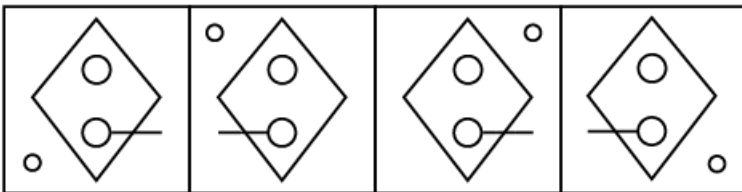
A





Answer: A

Explanation:



The straight line rotates 180 degree in clockwise and the circle at the corner too rotates at the corners in clockwise direction.

Option A is correct.

Question 22

Diya have five subjects in her academics namely A, B, C, D and E. She studies them from Monday to Friday of a week. On each day, only one subject will be studied. D or E should not be either the first or last to be studied. E should be immediately followed by C. B should be studied immediately after D. One subject will be studied between A and B. Then which subject she immediately reads after Monday?

A B

B D

C E

D A

Answer: C

Explanation:

Diya have five subjects in her academics namely A, B, C, D and E from Monday to Friday of a week.

1. E should be immediately followed by C. B should be studied immediately after D.
2. D or E should not be either the first or last to be studied.
3. One subject will be studied between A and B.

We get the following arrangement,

MONDAY	C
TUESDAY	E

WEDNESDAY A

THURSDAY D

FRIDAY B

Diya reads E subject after Monday.

Option C is correct.

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Question 23

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

A Volume

B Force

C Volt

D Power

Answer: C

Explanation:

Volt as it is an unit of potential difference while the others are physical quantities.

Option C is correct.

Question 24

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

9 : 100 :: 13 :

A 130

B 144

C 196

D 169

Answer: C

Explanation:

$9 : (9 + 1)^2 :: 13 : (13 + 1)^2$

9 : 100 :: 13 : 196

Option C is correct

Question 25

Identify the odd one from the following.

A PRT

B VXZ

C HJL

D CFG

Answer: D

Explanation:

1st alphabet $\rightarrow (+2)$ 2nd alphabet $\rightarrow (+2)$ 3rd alphabet.

Option D don't follow the above pattern and is the odd one out

Option D is correct.

SSC Stenographer Previous Papers (Download PDF)

General knowledge

Instructions

For the following questions answer them individually

Question 26

'Tulsidas', a poet who lived during the medieval times of Indian history, wrote "Ramcharitmanas" in which of the following languages?

- A Pali
- B Prakrit
- C Awadhi
- D Sanskrit

Answer: C

SSC GD Constable Previous Papers

Question 27

What was the capital of the French colony in India?

- A Pondicherry
- B Calicut
- C Cochin
- D Goa

Answer: A

Question 28

Which famous Indian personality is the founder of 'Paani Foundation'?

- A Shah Rukh Khan
- B Salman Khan
- C Amir Khan
- D Ranveer Singh

Answer: C

Question 29

With the commencement of the 7th century, who ascended the throne of Thaneshwar and Kannauj?

- A Krishnadeva
- B Harshavardhana
- C Rajendra Chola I
- D ChandraGupta II

Answer: B

SSC MTS Previous Papers (DOWNLOAD PDF)

Question 30

Who is the co-founder of IndiGo Airlines?

- A Kiran Majumdar Shaw
- B Pawan Munjal
- C Y C Deveshwar
- D Rahul Bhatia

Answer: D

Question 31

'Vijay Amvitraj' was a legendary Indian player associated with which of the following sports?

- A Lawn tennis
- B Swimming
- C Rifle shooting
- D Badminton

Answer: A

Question 32

What is India's rank in the World Bank's Human Capital Index (HCI) rankings as of Feb 2019?

- A 124
- B 115
- C 126
- D 104

Answer: B

SSC GD Constable Previous Papers (DOWNLOAD PDF)

Question 33

'Talatal Ghar' is a historical monument situated in which of the following Indian states?

- A Assam
- B West Bengal
- C Sikkim
- D Odisha

Answer: A

Question 34

"Which among the following is the longest river in South India?"

- A Narmada
- B Tungabhadra
- C Godavari
- D Krishna

Answer: C

Question 35

Which disease among the given options spreads via pigs?

- A Nipah
- B Swine flu
- C Zika
- D Plague

Answer: B

SSC CGL Previous Papers (DOWNLOAD PDF)

Question 36

Riboflavin present in fish is also known as:

- A Vitamin C
- B Vitamin K
- C Vitamin B12
- D Vitamin B2

Answer: D

Question 37

Which mountain pass in the world has the highest motorable road in the world?

- A Jelep-La
- B Nathu-La

- C Shipki-La
- D Dhungria-La

Answer: D

Question 38

The production of a commodity through natural process is an activity associated to which sector of the Indian Economy?

- A Tertiary
- B Secondary
- C Quaternary
- D Primary

Answer: D

SSC CGL Free Mock Test (Latest Pattern)

Question 39

As on 2018, which is the world's largest political party in terms of primary membership?

- A The Bharatiya Janta Party
- B The Conservative Party of UK
- C The Democratic Party of the US
- D National republican Party US

Answer: A

Question 40

Fiscal policy is based on the economic theory given by which of the following economist?

- A John Maynard Keynes
- B Adam Smith
- C Milton Friedman
- D John Nash

Answer: A

Question 41

'Theyyam' is a popular dance form of which of the following states?

- A Karnataka
- B Kerala
- C Gujarat
- D Manipur

Answer: B

SSC CHSL Free Mock Test (Latest Pattern)

Question 42

The National Food Security Act was passed in which of the following years?

- A 2011
- B 2013
- C 2014
- D 2012

Answer: B

Question 43

The movement of a horse drawn carriage is an example of which principle of physics?

- A Newton's third law of motion
- B Ohm's law
- C Archimedes principle
- D Avogadro's law

Answer: A

Question 44

Which city will host the upcoming Winter Olympic Games scheduled in 2022?

- A Los Angeles
- B Paris
- C Tokyo
- D Beijing

Answer: D

SSC Stenographer Previous Papers (Latest Pattern)

Question 45

The festival of 'Hareli' is celebrated in which of the following Indian states?

- A Odisha
- B Chhattisgarh
- C Punjab
- D Madhya Pradesh

Answer: B

Question 46

The Consumer Protection Bill, 2018 has replaced the Consumer Protection Act of which of the given years?

- A 1981
- B 1986
- C 1991
- D 1978

Answer: B

Question 47

'Azadirachta indica' is the botanical name of which evergreen tree found in the Indian sub-continent?

- A Curry tree
- B Pine tree
- C Hibiscus tree
- D Margosa tree

Answer: D

SSC GD Constable Free Mock Test (Latest Pattern)

Question 48

'The Legend of Laxmi Prasad' was the title of a book written by which one of the following authors?

- A Arundhati Roy
- B Twinkle Khanna
- C Jhumpa Lahiri
- D Shobha De

Answer: B

Question 49

In which layer of the earth's atmosphere is the ozone layer found?

- A Troposphere
- B Mesosphere
- C Exosphere
- D Stratosphere

Answer: D

Question 50

As of January 2019, what is the number of articles in the Indian constitution?

- A 431
- B 402
- C 448
- D 395

Answer: C

SSC MTS Free Mock Test (Latest Pattern)

Quant

Instructions

For the following questions answer them individually

Question 51

The Area of a rectangle is $27m^2$ and its length is 3 times of its breadth. The perimeter of the rectangle is:

- A 24cm
- B 12cm
- C 42cm
- D 28cm

Answer: A

Explanation:

Length of rectangle be l and breadth be b

$$l = 3b \text{ and } l \times b = 27cm^2$$

$$\text{So, we get } 3b \times b = 27$$

$$\Rightarrow 3b^2 = 27$$

$$\Rightarrow b^2 = 9$$

Solving these we get $l = 9$ and $b = 3$,

$$\text{Perimeter} = 2(9 + 3) = 24cm$$

Option A is correct.

SSC CPO Free Mock Test (Latest Pattern)

Question 52

Study the Table Properly and answer by interpreting the data.

The table shows the percentage population of five districts in a state below poverty line and the proportion of males and females.

District	Percentage of population below poverty line	Proportion of Male and Female	
		Below poverty Line (M:F)	Above poverty Line (M:F)
D1	15	2:3	3:2
D2	18	3:4	7:5
D3	20	2:5	3:4
D4	25	5:2	4:3
D5	12	3:7	2:7

The total population in D_1 , is 30,000. The number of female under below poverty line in the district D_1 , is:

- A 2500
- B 3500
- C 2700
- D 1800

Answer: C

Explanation:

Total population in the district D1 = 30,000

Total population below poverty line in district 1 = $0.15 \times 30,000 = 4,500$

The number of females below the poverty line in the district = $\frac{3}{5} \times 4,500 = 2,700$

Option C is correct.

Question 53

The value of $30 \div 6 \times 5$ of $(2 + 3) - 12(3 \times 2)$ is equal to:

- A 28
- B 35
- C 82
- D 53

Answer: D

Explanation:

$30 \div 6 \times 5$ of $(2 + 3) - 12(3 \times 2)$

Using BODMAS rule, we get

$= 30 \div 6 \times 5$ of $(2 + 3) - 12(3 \times 2)$

$= 5 \times 5 \times 5 - 12 \times 6$

$= 125 - 72$

$= 53$

Option D is correct.

Question 54

Two numbers are less than a third number by 25 and 36 respectively. The percentage of first number less than second number is:

- A 61%
- B 11%
- C 18%
- D 52%

Answer: D

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Question 55

The value of 25 of $4 - 30 + (2^2 + 18)$ is:

- A 23
- B 84
- C 92
- D 37

Answer: C

Explanation:

$$25 \text{ of } 4 - 30 + (2^2 + 18)$$

Using BODMAS

$$= 25 \text{ of } 4 - 30 + (4 + 18)$$

$$= 25 \text{ of } 4 - 30 + 22$$

$$= 25 \times 4 - 30 + 22$$

$$= 100 - 30 + 22$$

$$= 92$$

Option C is correct.

Question 56

A wheel makes 4000 revolution is covering a distance of 60km. The radius of the wheel is:

- A 8m
- B 8.25m
- C 4.68m
- D 2.39m

Answer: D

Explanation:

$$\text{Distance covered in 1 revolution} = \frac{60 \times 1000}{4000} = 12.5m$$

According to the question,

$$2 \times \pi \times r = 15$$

$$\Rightarrow r = 2.39$$

Option D is correct

Question 57

In class IX, the average of marks in science for six students was 48. After result declared, it was found in case of one student, the marks 45 were misread as 54. The correct average is :

- A 46.40
- B 46.50
- C 76.50
- D 64.39

Answer: B

Explanation:

In class IX, the average of marks in science for six students was 48. After result declared, it was found in case of one student, the marks 45 were misread as 54.

$$\begin{aligned} \text{Average marks} &= \frac{48 \times 6 - 54 + 45}{6} \\ &= \frac{279}{6} \\ &= 46.50 \end{aligned}$$

Option B is correct.

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Question 58

Study the Table Properly and answer by interpreting the data

The table shows the percentage population of five districts in a state below poverty line and the proportion of males and females.

District	Percentage of population below poverty line	Proportion of Male and Female	
		Below poverty Line (M:F)	Above poverty Line (M:F)
D1	15	2:3	3:2
D2	18	3:4	7:5
D3	20	2:5	3:4
D4	25	5:2	4:3
D5	12	3:7	2:7

If the total population of district D_4 , is 35000, then what is the number of females above the poverty line in the district D_4 ?

- A 10,500
- B 14,240
- C 11,250
- D 12,450

Answer: C

Explanation:

Total population in the district D_4 = 35,000

Total population above poverty line in district 4 = $0.75 \times 35000 = 26,250$

The number of females above the poverty line in the district = $\frac{3}{7} \times 26,250 = 11,250$

Option C is correct.

Question 59

In a class, the average age of 40 students is 12 years when teacher's age is included to it, the average increases by 1. The age of teacher is :

- A 53 years
- B 51 years
- C 48 years
- D 68 years

Answer: A

Explanation:

Let Teacher's age be x

$$\text{Average age} = \frac{40 \times 12 + 1 \times x}{41} = 13$$

$$\Rightarrow x = 533 - 480$$

$$\Rightarrow x = 53$$

Option A is correct.

Question 60

Shopkeeper selling on article for ₹46 loses 8%. In order to gain of 6%, what should be the selling price of the article?

A ₹65

B ₹56

C ₹53

D ₹85

Answer: C

Explanation:

$$\text{Cost Price} = \frac{\text{Selling Price}}{\text{Loss Percentage}}$$

$$= \frac{46}{0.92} = ₹ 50$$

In order to gain of 6%,

$$\text{Selling Price} = \text{Cost Price} \times \text{Gain}\%$$

$$\text{Selling Price} = 50 \times \frac{106}{100} = ₹ 53$$

Option C is correct.

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Question 61

The areas of two squares are 16:9. Theratio of their perimeter is:

A 9:16

B 9:12

C 12:16

D 16:12

Answer: D

Explanation:

The areas of two squares are 16:9

$$\text{Ratio of their length} = \frac{4}{3}$$

$$\text{Perimeter of Square} = 4 \times \text{sides}$$

$$\text{Ratio of perimeter} = \frac{4 \times 4}{4 \times 3} = \frac{16}{12}$$

Option D is correct.

Question 62

The difference between upper limit and lower limit of the class interval is called as:

- A Range
- B Mode
- C Frequency distribution
- D Class size

Answer: D

Explanation:

The difference between upper limit and lower limit of the class interval is called as Class Size.

$$\text{Class Size} = \text{Upper Limit} - \text{Lower Limit}$$

Option D is correct.

Question 63

Study the Table Properly and answer by interpreting the data

The table shows the percentage population of five districts in a state below poverty line and the proportion of males and females.

District	Percentage of population below poverty line	Proportion of Male and Female	
		Below poverty Line (M:F)	Above poverty Line (M:F)
D1	15	2:3	3:2
D2	18	3:4	7:5
D3	20	2:5	3:4
D4	25	5:2	4:3
D5	12	3:7	2:7

If the total population in the district D3 is 40,000, then what is the population of below poverty line in the district D3, ?

- A 10,000
- B 5,000
- C 8,000
- D 12,000

Answer: C

Explanation:

Total population in the district D3 = 40,000

$$\text{Population in the district D3 below poverty line} = 0.20 \times 40,000 = 8,000$$

Option C is correct.

SSC GD Syllabus (Download PDF)

Question 64

In how many years, a sum will be thrice of it at the rate of interest 5% per annum?

- A 25 years
- B 40 years
- C 30 years
- D 20 years

Answer: B

Explanation:

Rate = 5% per annum

Let P be the sum

$$SI = 3P - P = 2P$$

$$\text{Now, } 2P = \frac{PRT}{100}$$

$$T = \frac{200}{5} = 40 \text{ years}$$

Option B is correct.

Question 65

If $(x + y) : (x - y) = 3 : 2$, then $(x^2 + y^2) : (x^2 - y^2)$ is in the ratio of:

A 12:13

B 5:12

C 13:12

D 24:5

Answer: C

Explanation:

Given,

$$\frac{(x+y)}{(x-y)} = \frac{3}{2},$$

Using componendo and dividendo rule,

$$\frac{(x+y)+(x-y)}{(x+y)-(x-y)} = \frac{3+2}{3-2}$$

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

$$\text{Putting the values in } \frac{(x^2+y^2)}{(x^2-y^2)} = \frac{(5^2+1^2)}{(5^2-1^2)} = \frac{26}{24} = 13 : 12$$

Option C is correct.

Question 66

In a university, the number of students studying science, mathematics and language are in the ratio of 2:4:9. If the number of students in Science, Mathematics and Language be increased 10%, 20% and 40% respectively. What will be the new ratio?

A 12:23:63

B 11:24:63

C 24:11:63

D 63:11:24

Answer: B

Explanation:

Let x be the total number of students

The number of students studying science, mathematics and language are in the ratio of 2:4:9 = 20x:40x:90x

So if the number of students in Science, Mathematics and Language be increased 10%, 20% and 40% respectively,

$$\text{New ratio will be} = 1.1 \times 20x : 1.2 \times 40x : 1.4 \times 90x$$

$$= 22x : 48x : 63x = 11 : 24 : 63$$

Option B is correct.

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Question 67

By Selling a TV for ₹8500 a person loses 15%. In order to gain of 5%, Selling price of TV should be:

- A ₹10,500
- B ₹10,000
- C ₹9,500
- D ₹9,000

Answer: A

Explanation:

By Selling a TV for ₹8500 a person loses 15%.

Therefore, $CP = SP \div 0.85 = 8500 \div 0.85 = ₹10,000$

In order to gain of 5%, Selling price of TV should be=

$SP = 1.05 \times 10,000 = ₹10,500$

Option A is correct.

Question 68

'A' pipe can empty a tank in 20 minutes. The second pipe 'B' has a diameter twice as that of 'A'. If both A & B pipe are attached to the tank how much time will be required to empty the tank?

- A $10\frac{1}{2}$ minutes
- B 25 minutes
- C 15 minutes
- D $6\frac{2}{3}$ minutes

Answer: D

Explanation:

Pipe A can empty a tank in 1 minute $= \frac{1}{20}$

Since, the second pipe 'B' has a diameter twice as that of 'A'

Pipe B can empty a tank in 1 minute $= \frac{1}{40}$

Time will be required to empty the tank in 1 minute together $= \frac{1}{20} + \frac{1}{40} = \frac{3}{40}$

Total Time $= \frac{40}{3} = 6\frac{2}{3}$ minutes

Option D is correct.

Question 69

The HCF and LCM of two numbers are 12 and 240 respectively. If one of the number is 24, what is the another number

- A 120
- B 228

C 264

D 144

Answer: A

Explanation:

We know that $HCF \times LCM = \text{Product of numbers}$

Let the other number be x

$$12 \times 240 = 24 \times x$$

$$x = \frac{12 \times 240}{24} = 120$$

Other number is 120

Option A is correct

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Question 70

Rama and Hari can together finish a piece of work in 15 day. Rama works twice as fast as Hari, then Hari alone can finish work in :

A 45 days

B 30 days

C 25 days

D 20 days

Answer: A

Explanation:

Let Hari take x days to do a job

Then Ram takes $\frac{x}{2}$ days

$$\text{Per day they work together } \frac{1}{x} + \frac{2}{x} = \frac{3}{x}$$

In 15 days they do (3×15) of work

$$\frac{x}{45} = 1$$

$$x = 45$$

Hari takes 45 days

Option A is correct.

Question 71

Two numbers are 20% and 40% more than the third number respectively. The ratio of the first and second number is:

A 7:6

B 7:5

C 6:7

D 5:7

Answer: C

Explanation:

Let the third number be x .

Two numbers are 20% and 40% more than the third number i.e $1.2x$ and $1.4x$ respectively.

The required ratio $1.2x : 1.4x = 6 : 7$

Option C is correct.

Question 72

The compound interest on an amount for 2 years at 5% per annum compounded annually is ₹205. The simple interest is:

- A ₹250
- B ₹220
- C ₹200
- D ₹210

Answer: C

Explanation:

If P is the principal,

According to question, compound interest on an amount for 2 years at 5% per annum compounded annually is ₹205

$$P \times (105 \div 100) \times (105 \div 100) = P + 205$$

$$1.1025P = P + 205$$

$$1.1025P - P = 205$$

$$P = \frac{205}{0.1025} = 2000$$

Now S I, for 2 years,

$$\frac{P \times 2 \times 5}{100} = ₹ 200$$

Option C is correct.

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Question 73

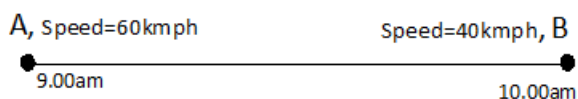
The distance between two stations is 500 km. A train starts from station 'A' at 9 am and travels towards station 'B' at 60 km/hrs. Another train starts from station 'B' at 10 am and travels towards 'A' at 40 km/hrs. At what time both the train meet to each other.

- A 12.45 PM
- B 1.36 PM
- C 3.36 PM
- D 2.24 PM

Answer: D

Explanation:

The distance between two stations is 500 km. A train starts from station 'A' at 9 am and travels towards station 'B' at 60 km/hrs. Another train starts from station 'B' at 10 am and travels towards 'A' at 40 km/hrs.



In 1 hour, train A travels $60 \times 1 = 60 \text{ km}$

Therefore, distance remaining between A and B at 10 am = $500 - 60 = 440$

time both the train meet to each other = $\frac{440}{60+40} = 4.4hrs = 4\frac{4 \times 60}{10} hrs = 4.24hrs$

They meet at $10am + 4.24hrs = 2.24p.m$

Option D is correct.

Question 74

A trader allows two successive discounts of 5% each on the marked price of a sofa set for ₹24,500. The selling price of sofa set is:

- A ₹23,274.75
- B ₹23,275
- C ₹1,163.75
- D ₹22,111.25

Answer: D

Explanation:

A trader allows two successive discounts of 5% each on the marked price of a sofa set for ₹24,500.

Total discount = $5 + 5 - \frac{5 \times 5}{100} = 9.75$

Selling Price = $24500 - \left(\frac{9.75}{100} \times 24500\right)$

= $24500 - 2388.75$

= Rs. 22111.25

Option D is correct.

Question 75

A train is moving at 72 km/hrs. The distance covers in 15 minutes by the train is:

- A 18 km
- B 27 km
- C 36 km
- D 28 km

Answer: A

Explanation:

A train is moving at 72 km/hrs.

72 km/h in 60 minutes = $\frac{72}{60} = 1.2$ km per minute

So in 15 minutes it will cover $1.2 \times 15 = 18$ kms

Option A is correct.

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English

Instructions

For the following questions answer them individually

Question 76

Select the word which means the same as the group of words given.
One who does a thing for pleasure and not as a profession

- A Sportsperson
- B Amateur
- C Volunteer
- D Athlete

Answer: B

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Question 77

Select the option that means the same as the given idiom.
To hang together

- A To be over telephone with a friend
- B To keep holding on to something
- C to take a swing in a garden
- D To be connected with each other

Answer: D

Question 78

Select the antonym of the given word.
CONVENE

- A Disperse
- B Summon
- C Request
- D Gather

Answer: A

Question 79

Select the most appropriate word to fill in the blank.
You can master anything by the usual process of learning and practicing it

- A temporarily
- B occasionally
- C regularly
- D annually

Answer: C

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Question 80

Select the antonym of the given word.

CONCUR

- A Contribute
- B Lead
- C Disagree
- D Distribute

Answer: C

Question 81

Select the synonym of the given word.

AFFINITY

- A Monotony
- B Beauty
- C Empathy
- D Decency

Answer: C

Question 82

Select the most appropriate word to fill in the blank.

Your parents may get With your lifestyle and demand a change in it.

- A fulfilled
- B pleased
- C satisfied
- D annoyed

Answer: D

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Question 83

Select the correctly spelt word.

- A Supplementary
- B Supplementary
- C Supplementery
- D Supplementery

Answer: B

Question 84

From the given options, identify the segment in the sentence which contains the grammatical error.
While we would like all Indian children to go to school, we need to ponder why they does not.

- A why they does not
- B While we would like
- C Indian children to go to school
- D we need to ponder

Answer: A

Question 85

Select the most appropriate option to fill in the blank.
My forefinger is still where I caught it in the door this morning.

- A burnt
- B scorched
- C bruised
- D damaged

Answer: C

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Question 86

Select the word which means the same as the group of words given.
A person who is indifferent to the pains and pleasures of life.

- A Introvert
- B Social
- C Stoic
- D Solitary

Answer: C

Question 87

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.

On the academic front you are likely to outshine others and take up a better career.

- A you were likely to outshine others
- B you should likely to outshine others
- C you are likely for outshine other

D No improvement

Answer: D

Question 88

Select the synonym of the given word.

CUMBERSOME

A Wonderful

B Heavy

C Graceful

D Virtuous

Answer: B

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Instructions

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

Passage:

"Success begins in the mind." This is a wonderful quote to explain the power of having (1)..... in yourself. Since (2)..... wants success, they all try their best. Sometimes they will (3)..... failure, but that's what life is. Ups and downs are a part of it. All you need to take that failure in your (4)..... learn from it and never forget it. It doesn't matter how or where you come from, success happens to those who (5)..... hands with difficulties.

Question 89

Select the most appropriate option that will fill in the blank number 1.

A doubt

B disgust

C faith

D discard

Answer: C

Question 90

Select the most appropriate option that will fill in the blank number 2.

A everyone

B each

C someone

D anyone

Answer: A

Question 91

Select the most appropriate option that will fill in the blank number 3.

- A clash
- B encounter
- C see
- D oppose

Answer: B

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Question 92

Select the most appropriate option that will fill in the blank number 4.

- A run
- B stride
- C walk
- D wing

Answer: B

Question 93

Select the most appropriate option that will fill in the blank number 5.

- A shake
- B see
- C move
- D avoid

Answer: A

Instructions

For the following questions answer them individually

Question 94

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.

Those who are travelling today by train may have delayed in reaching their destinations.

- A travelling today in train may get delayed
- B No improvement
- C travel today by train may get delayed
- D travelling today by train may get delayed

Answer: D

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Question 95

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.

Statistical measure which track the money-saving behaviour haven't improved much.

- A No improvement
- B measure which tracks money-saving behaviours
- C measures what track the money-saving behaviour
- D measures which track the money-saving behaviour

Answer: D

Question 96

Select the correctly spelt word.

- A Badjet
- B Budget
- C Budjet
- D Bugett

Answer: B

Question 97

From the given options, identify the segment in the sentence which contains the grammatical error. In India, the various practices and norms from bank's transactions are laid down by the RBI only.

- A are laid down
- B norms from bank's transactions
- C the various practices
- D by the RBI only

Answer: B

SSC CHSL Free Mock Test (Latest Pattern)

Question 98

Select the option that means the same as the given idiom.

Call it a day

- A Decide or agree to stop doing something
- B Attempting to do an impossible task
- C Disagreeing on everything someone is saying
- D Agreeing to reveal some secret information

Answer: A

Question 99

From the given options, identify the segment in the sentence which contains the grammatical error.
You are invite to build a better community by planting a seed of peace within and tree outside.

- A build a better community
- B within and a tree outside
- C You are invite to
- D by planting a seed of peace

Answer: C

Question 100

Select the most appropriate option to fill in the blank.
Whenever he refers to his friends he is pleased but when he talks of his foes he is

- A unhappy
- B possessed
- C serene
- D interested

Answer: A

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