



## SSC CGL 11 June 2019 Shift-1

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## Reasoning

### Instructions

For the following questions answer them individually

### Question 1

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

**Brass : Copper**

- A Bronze : Gold
- B Chromium : Silver
- C Solder : Tin
- D Nickle : Iron

**Answer: C**

### Explanation:

As The primary component of Brass is Copper.

Similarly

The primary component of the Solder is tin.

## SSC CGL Free Mock Test

### Question 2

Priyank is Akshay's brother. Sonia is Saksham's sister. Akshay is Sonia's son. How is Priyank related to Sonia?

- A Brother
- B Father
- C Nephew
- D Son

**Answer: D**

### Explanation:

As per the question,

**Relation 1.** Priyank is the brother of Akshay.

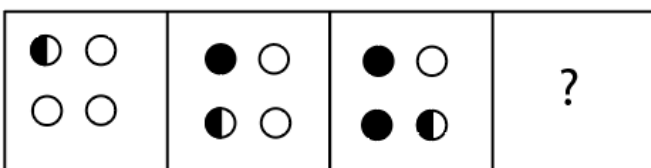
**Relation 2.** Sonia is the sister of Saksham.

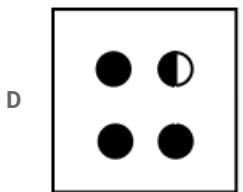
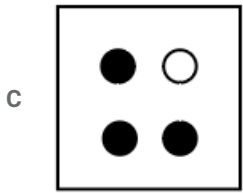
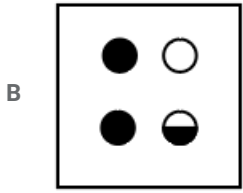
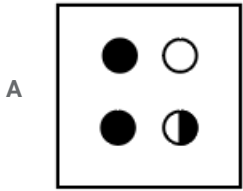
**Relation 3.** Akshay is the son of Sonia.

From the relation 1 and 3, Priyank is the son of Sonia.

### Question 3

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



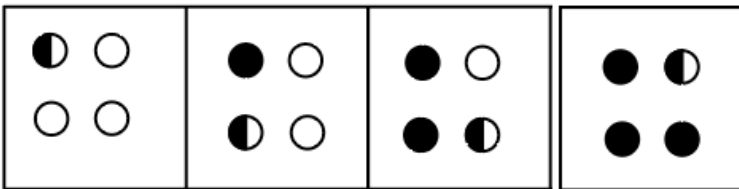


Answer: D

**Explanation:**

From the given pattern in the question,

Half filled circle is moving in the anti-clock wise and the black filled circle is following the path of the half filled circle path back to back as per the given diagram.



**Question 4**

Find the missing number from the below options.

17      22      37

23      28      43

16      ?      36

A 34

B 32

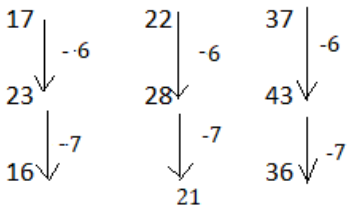
C 21

D 12

Answer: C

**Explanation:**

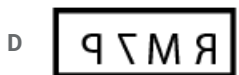
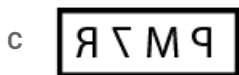
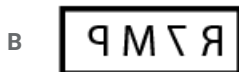
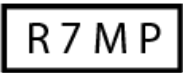
From the given in the question,  
the logic pattern is given below



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**Question 5**

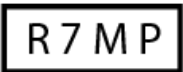
Select the correct mirror image of the given figure when the mirror is placed to the right of the figure.



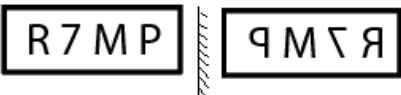
Answer: B

**Explanation:**

From the given question,



from this we can conclude that the mirror image of the above letter will be



**Question 6**

If AU = 21 and EGG = 245, then how will you code BAKE?

- A 75
- B 110
- C 155
- D 19

Answer: B

**Explanation:**

Given that,

$$AU = 21 \text{ and } EGG = 245$$

A = 1st letter

U = 21st letter

$$AU = 1 \times 21 = 21$$

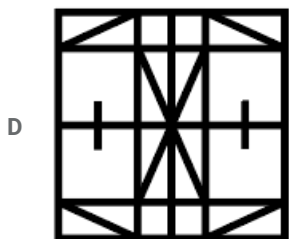
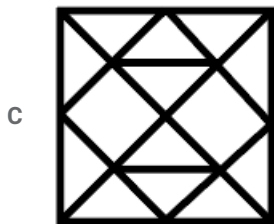
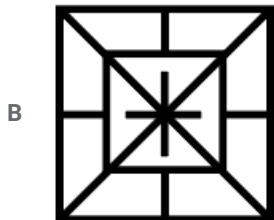
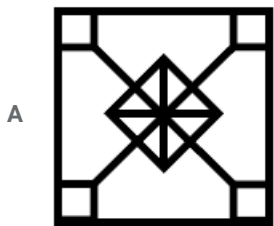
$$EGG = 5 \times 7 \times 7 = 245$$

$$BAKE = 2 \times 1 \times 11 \times 5 = 110$$

Hence, Option B is the correct answer.

**Question 7**

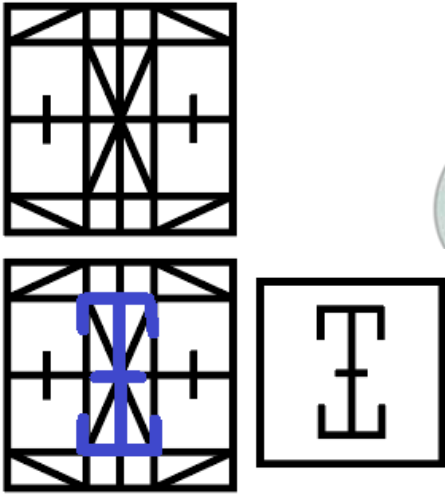
Select the figure in which the given figure is embedded.



Answer: D

**Explanation:**

From the pattern, we can recognize that Option D is the correct source in which the given pattern is available.



## SSC CGL Tier-2 Previous Papers PDF

### Question 8

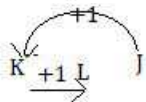
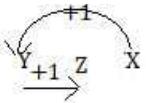
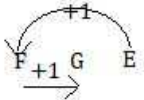
Three of the following four letter-clusters are alike in a certain way and one is different. Pick the odd one out.

- A FGE
- B YZX
- C NOR
- D KLJ

Answer: C

### Explanation:

From the given option in the question,

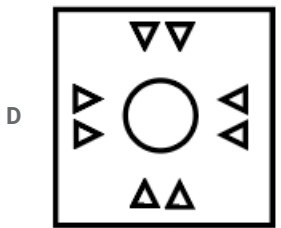
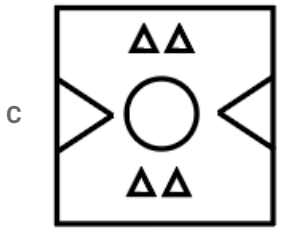
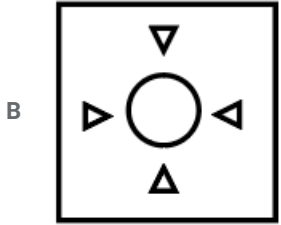
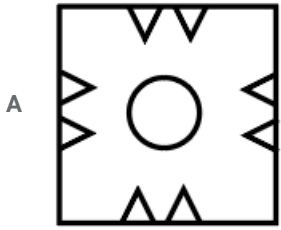


We can see that all the options are following the same pattern apart from the option C. So the option C is odd with respect to the given pattern.

### Question 9

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



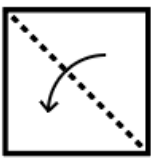


Answer: D

**Explanation:**

It is given that,

After folding a paper, and marked a cut and starts to open the folding, then it will follow the below pattern.



1st folding

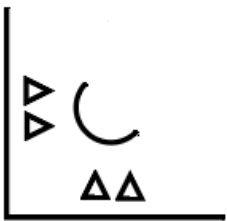


2nd folding

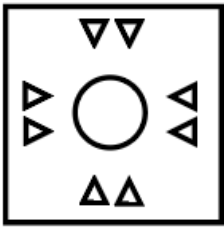


3rd folding

we will starts from the 3rd folding.



next folding is given below



Question 10

Arrange the following words in a logical and meaningful order.

- 1) Write
- 2) Publish
- 3) Author
- 4) Reader
- 5) Sale

- A 3, 1, 2, 5, 4
- B 4, 3, 1, 2, 5
- C 3, 2, 1, 5, 4
- D 1, 3, 2, 5, 4

Answer: A

Explanation:

Given that,

- 1) Write
- 2) Publish
- 3) Author
- 4) Reader
- 5) Sale

So, (3)Author will (1)write a book which will (2)publish then after the (5)sale (4)reader will read.

Hence correct order will be 3,1,2,5,4.

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Question 11

Two statements are given, followed by two conclusions numbered I and II. Assuming the statements to be true, even if they seem to beat variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:

All teachers are painters.

Some painters are rich.

Conclusions:

I. All painters are teachers.

II. Some rich are not painters.

- A Only conclusion II follows
- B Neither conclusion I nor II follows
- C Only conclusion I follows
- D Either conclusion I or II follows

Answer: B

Explanation:



From the question,

**Statements:**

All teachers are painters.  
Some painters are rich.

**Conclusions:**

I. All painters are teachers.  
II. Some rich are not painters.

Conclusion I is not correct because, It is not compulsory that all painters are teacher, It may be or may not be. But all teachers are painter it is sure from the statement.

Statement II does not assure that some rich are not painters, It may be or may not be So it is also not following.

So option B is the correct answer.

**Question 12**

Select the terms that will replace the ? in the following series.

Z, X, V, ?, R, P, ?

A S, N

B T, O

C T, N

D S, O

**Answer: C**

**Explanation:**

It is given in the question,

Z, X, V, ?, R, P, ?

$Z \xrightarrow{-2} X \xrightarrow{-2} V \xrightarrow{-2} ? \xrightarrow{-2} R \xrightarrow{-2} P \xrightarrow{-2} ?$

Now, substituting the values from the English alphabet on the place of ?.

$Z \xrightarrow{-2} X \xrightarrow{-2} V \xrightarrow{-2} T \xrightarrow{-2} R \xrightarrow{-2} P \xrightarrow{-2} N$

Hence, correct answer will be T,N.

**Question 13**

Three of the following four number-pairs are alike in a certain way and one is different. Pick the odd one out.

A 17-37

B 49-82

C 65-101

D 26-50

**Answer: B**

**Explanation:**

From the given option,

$$\Rightarrow 17 - 37 = 4^2 + 1 - 6^2 + 1 = 16 + 1 - 36 + 1$$

$$\Rightarrow 49 - 82 = 7^2 - 9^2 + 1 = 49 - 81 + 1$$

$$\Rightarrow 65 - 101 = 8^2 + 1 - 10^2 + 1 = 64 + 1 - 100 + 1$$

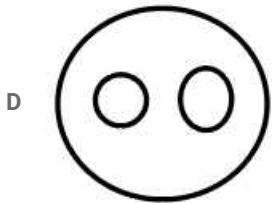
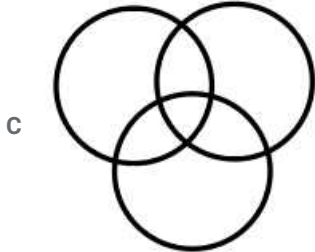
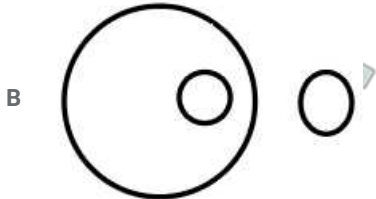
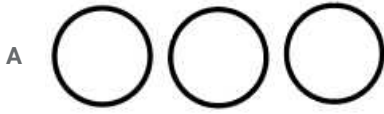
$$\Rightarrow 26 - 50 = 5^2 + 1 - 7^2 + 1 = 25 + 1 - 49 + 1$$

Apart from the B, all the options are following the same pattern, Hence option odd pattern.

## SSC CGL Important Questions PDF

### Question 14

Choose the Venn diagram from the given options which best represents the relationship amongst the following classes:  
Wheat, Mustard, Cabbage



Answer: A

#### Explanation:

Wheat, Mustard and cabbage are different kind of foods.

So here option A will be the correct answer.

### Question 15

In a code language, NEEDLE is written as MFDEKF. How will HAMMER be written in the same language?

A IBLNDS

B GBLNFT

C GBLNDS

D GALNDS

Answer: C

#### Explanation:

$$N \xrightarrow{-1} M$$

$$E \xrightarrow{+1} F$$

$$E \xrightarrow{-1} D$$

$$D \xrightarrow{+1} E$$

$$L \xrightarrow{-1} K$$

$$E \xrightarrow{+1} F$$

So respective pattern word is MFDEKF

Similarly HAMMER

$$H \xrightarrow{-1} G$$

$$A \xrightarrow{+1} B$$

$$M \xrightarrow{-1} L$$

$$M \xrightarrow{+1} N$$

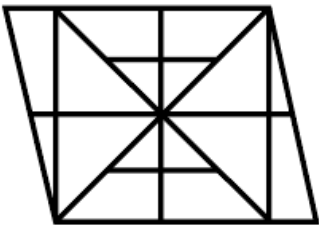
$$E \xrightarrow{-1} D$$

$$R \xrightarrow{+1} S$$

So next pattern will be GBLNDS

### Question 16

How many triangles are there in the following figure ?



A 30

B 22

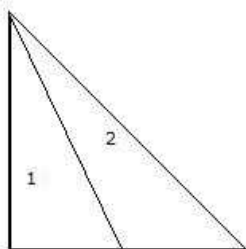
C 16

D 32

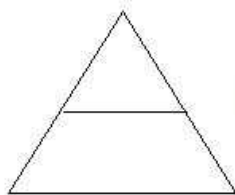
Answer: A

### Explanation:

When the line passing from the vertices and touching the base, then it is making  $n+1$  triangle, and when line passing cutting horizontally as compare to the base then the total number of triangle = total number of horizontal line.



Number of triangle =  $2+1$   
 $=n+1$



total number of triangle = number of horizontal line

There are four triangle of type 1, so total triangle =  $4 \times 3 = 12$

There are 8 triangles of type 2, so total number of triangle =  $8 \times 2 = 16$

Two individual triangle = 2

hence total sum of the triangles =  $12 + 16 + 2 = 30$

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### Question 17

'Cheerful' is related to 'Sad' in the same way as 'Generous' is related to .....

- A Intelligent
- B Selfish
- C Kind
- D Gloomy

**Answer: B**

#### Explanation:

Cheerful - Cheerful means a person or things that brings happiness.

#### Opposite meaning-

Sad - Feelings of unhappiness.

Generous - Its a feeling of readiness to give more.

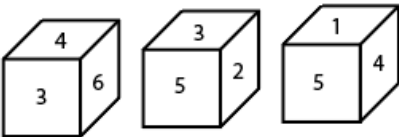
#### Opposite meaning-

Selfish- Concern about own advantage and pleasure.

So option B is the correct answer.

### Question 18

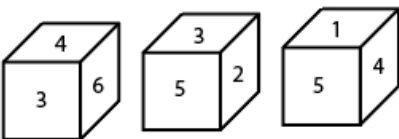
Three different positions of a dice are shown below. Which number appears on the face opposite the number 6 ?



- A 4
- B 5
- C 2
- D 1

**Answer: B**

#### Explanation:



As per the diagram, we can see that,  
face 3 and 4 are adjacent,  
face 3 and 5 are adjacent,  
and adjacent 4 and 5 are adjacent,  
so face 3, 4 and 5 are adjacent face.

But as per the diagram 1, face 4 and face 6 are adjacent faces.  
Hence from the above it is clear that face 5 is the opposite face of face 6.

**Question 19**

Find the missing number from the below options.

4	3	19
6	4	40
9	9	?

- A 90
- B 80
- C 100
- D 72

**Answer:** A

**Explanation:**

Given that,

4	3	19
6	4	40
9	9	?

From the above, we can conclude that it is following the below pattern.

$$\Rightarrow 4^2 + 3 = 4 \times 4 + 3 = 19$$

$$\Rightarrow 6^2 + 4 = 6 \times 6 + 3 = 40$$

$$\Rightarrow 9^2 + 9 = 9 \times 9 + 3 = 90$$

**General Science Notes for SSC CGL**

**Question 20**

At a party, the number of girls is half the number of boys. After an hour, five boys leave the party and three girls join the party then the number of boys and girls in the party becomes equal. How many people were present at the party an hour before?

- A 22
- B 8
- C 16
- D 24

**Answer:** D

**Explanation:**

Let the number of girls in the party =  $x$

As per the question,

The number of boy will be =  $2x$

As per the condition,

number boys remains in the party after leaving 5 boys =  $2x - 5$

and number of girls remain in the party after joining 3 girls =  $x + 3$

So, number of boys = number of girls

$$\Rightarrow 2x - 5 = x + 3$$

$$\Rightarrow 2x - x = 5 + 3$$

$$\Rightarrow x = 8$$

So the number of boy =  $2 \times 8 = 16$

Hence, total number of member in the party =  $8 + 16 = 24$

#### Question 21

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

57, 62, 31, 36, 18, ?

A 23

B 36

C 34

D 19

Answer: A

Explanation:

57, 62, 31, 36, 18, ?

First term

$$57 \xrightarrow{+5} 62$$

Second terms

$$62 \xrightarrow{\text{half}} \frac{62}{2} = 31$$

Third terms

$$31 \xrightarrow{+5} 36$$

Fourth terms

$$36 \xrightarrow{\text{half}} \frac{36}{2} = 18$$

Fifth terms

$$18 \xrightarrow{+5} 18 + 5 = 23$$

#### Question 22

Three of the following four words are alike in a certain way and one is different. Pick the odd word out.

A Thorium

B Uranium

C Sodium

D Radium

Answer: C

**Explanation:**

Thorium, Uranium and Radium are the radioactive elements but Sodium is a metal. So it is different from the other three elements.

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### Question 23

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

2139 : 3246 :: 4262 : .....

- A 2371
- B 2471
- C 1461
- D 2483

**Answer: B**

**Explanation:**

Given that

2139 : 3246 :: 4262 : ?

For, 2139 and 3246

⇒ the sum of the digits of first terms  $2 + 1 + 3 + 9 = 15$

⇒ the sum of the digits of second terms  $3 + 2 + 4 + 6 = 15$

⇒ for the third terms, the sum of the digit  $4 + 2 + 6 + 2 = 14$

In the given option only the option B, which have the sum of the digit is equal to third terms

⇒  $2 + 4 + 7 + 1 = 14$

### Question 24

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

OBE, PDH, QFK, RHN, ?

- A RJQ
- B SJP
- C SJQ
- D SKQ

**Answer: C**

**Explanation:**

OBE, PDH, QFK, RHN, ?

Relation between the first letter of each terms

$O \xrightarrow{+1} P \xrightarrow{+1} Q \xrightarrow{+1} R \xrightarrow{+1} S$

Relation between the second letter of each terms

$B \xrightarrow{+2} D \xrightarrow{+2} F \xrightarrow{+2} H \xrightarrow{+2} J$

Relation between the third letter of each terms

$E \xrightarrow{+3} H \xrightarrow{+3} K \xrightarrow{+2} N \xrightarrow{+2} Q$

So next term will be SJQ

**Question 25**

Which two signs should be interchanged in the following equation to make it correct?

$$24 \div 8 - 5 \times 5 + 3 = 13$$

A  $\times$  and  $+$

B  $\div$  and  $\times$

C  $\div$  and  $-$

D  $\div$  and  $+$

**Answer: A**

**Explanation:**

$$24 \div 8 - 5 \times 5 + 3 = 13$$

$$\Rightarrow 3 - 5 \times 5 + 3 = -19 \neq 13$$

So, after interchanging the sign of  $\times$  and  $+$

$$\Rightarrow 24 \div 8 - 5 + 5 \times 3 = 13$$

$$\Rightarrow 3 - 5 + 5 \times 3 = 13$$

$$\Rightarrow 3 - 5 + 15 = 13$$

$$\Rightarrow -5 + 18 = 13$$

$$\Rightarrow -13 = 13$$

Hence, after interchanging the sign of  $\times$  and  $+$  will get the correct.

## SSC Exam Free Videos (Youtube)

### General knowledge

**Instructions**

For the following questions answer them individually

**Question 26**

In India, 24<sup>th</sup> January is observed as which one of the following days?

A National Farmer's Day

B National Girl Child Day

C National Agricultural Day

D National Day of Elderly

**Answer: B**

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**Question 27**

The Sepoy Mutiny in India started from \_\_\_\_\_.

A Meerut



- B Champaran
- C Rajkot
- D Bareilly

Answer: A

**Question 28**

Fertile riverine alluvial soil is best suited for producing \_\_\_\_\_.

- A rice
- B Corn
- C tea
- D cotton

Answer: A

**Question 29**

'Jorwe culture' was a Chalcolithic archaeological site located in the present day Indian state of \_\_\_\_\_.

- A Bihar
- B Assam
- C Gujarat
- D Maharashtra

Answer: D

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**Question 30**

Vijay Hazare was a famous Indian player associated with the sport of \_\_\_\_\_.

- A Cricket
- B Boxing
- C Football
- D Rifle Shooting

Answer: A

**Question 31**

Name the national bird of Bhutan.

- A Magpai
- B Parrot
- C Raven

D Peacock

Answer: C

Question 32

Which scientist discovered the 'Penicillin'?

A Robert Koch

B Ernst Chain

C Alexander Fleming

D Louis Pasteur

Answer: C

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Question 33

The energy derived from the heat of Earth is called \_\_\_\_\_.

A Tidal Energy

B Geothermal Energy

C Biogas

D Solar Energy

Answer: B

Question 34

The term 'cherry picking' is used in which sport?

A Cricket

B Table Tennis

C Basketball

D Swimming

Answer: C

Question 35

Which economist gave the theory of Opportunity Cost?

A Adam Smith

B Gottfried Haberler

C Milton Friedman

D John Keynes

Answer: B

## SSC CHSL Previous Question papers (download pdf)

### Question 36

Which of the following authors received the Jnanpith Award in 2018?

- A Arundhati Roy
- B Vikram Seth
- C Amitav Ghosh
- D Kiran Desai

Answer: C

### Question 37

Which of the following acids is present in ant bites?

- A Perchloric acid
- B Formic acid
- C Nitric acid
- D Malic acid

Answer: B

### Question 38

Marfati' songs are traditional folk songs of \_\_\_\_\_.

- A Pakistan
- B Bangladesh
- C Nepal
- D Afghanistan

Answer: B

## Free SSC Study Material (18,000 Solved Questions)

### Question 39

The summer solstice 2019 in the Northern Hemisphere will occur on \_\_\_\_\_.

- A 21<sup>st</sup> June
- B 20<sup>th</sup> June
- C 24<sup>th</sup> June
- D 26<sup>th</sup> June

Answer: A

### Question 40

The demand for a commodity or service which is a consequence of the demand for something else is called \_\_\_\_\_.

- A Direct Demand
- B Income Demand
- C Derived Demand
- D Composite Demand

**Answer: C**

**Question 41**

**Who among the following wrote the book 'A History of the Sikhs'?**

- A Amrita Pritam
- B Bhai Vir Singh
- C Khushwant Singh
- D Gurbachan Singh Talib

**Answer: C**

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**Question 42**

**Which of the following creatures is oviparous?**

- A Squirrel
- B Rabbit
- C Mouse
- D Frog

**Answer: D**

**Question 43**

**Which of the following stars is nearest to the sun ?**

- A Deneb
- B Sirius
- C Betelgeuse
- D Proxima Centauri

**Answer: D**

**Question 44**

**Which article of the Constitution of India talks about the provisions for impeachment of the President of India?**

- A Article 54

- B Article 61
- C Article 51
- D Article 63

**Answer: B**

## SSC CGL Free Mock Test

### Question 45

Identify the foreigner who has been conferred the second highest civilian award in India, Padma Vibhushan for 'exceptional and distinguished service' in 2019.

- A John Chambers
- B Kader Khan
- C Pravin Gordhan
- D Ismail Omar Guelleh

**Answer: D**

### Question 46

Who among the following was named as the Chief Executive Officer of International Cricket Council (ICC)?

- A Manu Sawhney
- B Anurag Thakur
- C Saurav Ganguly
- D N G Khaitan

**Answer: A**

### Question 47

In which year was the East India Company incorporated for the exploitation of trade with East and Southeast Asia and India?

- A 1600
- B 1596
- C 1612
- D 1605

**Answer: A**

## SSC CGL Previous Papers (DOWNLOAD PDF)

### Question 48

Which of the following is the smallest bird in the world?

- A Bee Hummingbird

- B Finch
- C Diamond Firetail
- D Robin

Answer: A

**Question 49**

What is the term of the elected representatives of a Gram Panchayat?

- A 2 years
- B 4 years
- C 5 years
- D 3 years

Answer: C

**Question 50**

Who was the Indian Army Chief at the time of Bangladesh Liberation War?

- A K M Cariappa
- B Roy Bucher
- C Sam Manekshaw
- D Rob Lockhart

Answer: C

## SSC CGL Tier-2 Previous Papers PDF

### Quant

**Instructions**

For the following questions answer them individually

**Question 51**

The difference between the compound interest and simple interest on ₹ x at 8.5% per annum for 2 years is ₹ 28.90. The value of x is:

- A 3800
- B 3500
- C 4000
- D 4500

Answer: C

**Explanation:**

Given that,

Rate of interest = 8.5% per annum

time = 2 years

difference between the compound interest and simple interest = 28.90 Rs.

Principle amount = x,

$$P \times R \times t$$

Now, we know that simple interest (SI) =  $\frac{P \times R \times t}{100}$

Substituting the values,

$$SI = \frac{x \times 8.5 \times 2}{100}$$

$$\Rightarrow SI = \frac{x \times 8.5 \times 2}{100} \text{ --- (i)}$$

Now, for compound interest Final amount (A) =  $P \left(1 + \frac{R}{100}\right)^t$

Now substituting the values,  $A = x \left(1 + \frac{8.5}{100}\right)^2$

$$\Rightarrow A = x(1.085)^2$$

$$\Rightarrow A = x(1.085)^2$$

$$\Rightarrow A = 1.1772x$$

Hence compound interest  $CI = A - P = 1.1772x - x = 0.1772x$  --- (ii)

From equation (i) and (ii)

$$CI - SI = 28.90$$

$$\Rightarrow 0.170x - 0.177x = 28.90$$

$$\Rightarrow 0.007x = 28.90$$

$$\Rightarrow x = \frac{28.90}{0.007} = 4128 \text{Rs.}$$

Option will be the correct answer because it's the nearest value.

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#### Question 52

If  $a + b + c = 8$  and  $ab + bc + ca = 12$ , then  $a^3 + b^3 + c^3 - 3abc$  is equal to:

- A 144
- B 400
- C 192
- D 224

**Answer:** D

#### Explanation:

Given that,

$$a + b + c = 8 \text{ and } ab + bc + ca = 12$$

$$\text{Now, we know that } (a + b + c)^2 = (a^2 + b^2 + c^2 + 2ab + 2bc + 2ca)$$

Now substituting the values

$$(a + b + c)^2 = (a^2 + b^2 + c^2 + 2(ab + bc + ca))$$

$$\Rightarrow 8^2 = (a^2 + b^2 + c^2 + 2 \times 12)$$

$$\Rightarrow a^2 + b^2 + c^2 = 64 - 24$$

$$\Rightarrow a^2 + b^2 + c^2 = 40$$

Now,

$$a^3 + b^3 + c^3 - 3abc = (a + b + c)(a^2 + b^2 + c^2 - ab - bc - ca)$$

Now substituting the values in the equation,

$$\Rightarrow a^3 + b^3 + c^3 - 3abc = 8(40 - 12)$$

$$\Rightarrow a^3 + b^3 + c^3 - 3abc = 224$$

#### Question 53

If  $a : b = 5 : 3$ , then  $(8a - 5b) : (8a + 5b)$  is equal to:

- A 2:5
- B 3:11
- C 5:11
- D 3:13

Answer: C

#### Explanation:

Given that,

$$a : b = 5 : 3$$

$$a = 5$$

$$b = 3$$

So,

$$a = 5k \text{ and } b = 3k$$

Now,

$$(8a - 5b) = 8 \times 5k - 5 \times 3k$$

$$(8a + 5b) = 8 \times 5k + 5 \times 3k$$

$$\begin{aligned} (8a - 5b) &= 25k \\ \Rightarrow (8a + 5b) &= 55k \end{aligned}$$

$$\begin{aligned} (8a - 5b) &= 5 \\ \Rightarrow (8a + 5b) &= 11 \end{aligned}$$

#### Question 54

If  $\tan 4\theta = \cot(2\theta + 30^\circ)$ , then  $\theta$  is equal to:

- A  $20^\circ$
- B  $25^\circ$
- C  $15^\circ$
- D  $10^\circ$

Answer: D

#### Explanation:

Given that,



$$\tan 4\theta = \cot(2\theta + 30^\circ)$$

We know that  $\cot(90^\circ - A) = \tan A$

Hence,

$$\Rightarrow \cot(90^\circ - 4\theta) = \cot(2\theta + 30^\circ)$$

$$\Rightarrow 90^\circ - 4\theta = 2\theta + 30^\circ$$

$$\Rightarrow 6\theta = 90^\circ - 30^\circ$$

$$6\theta = 60^\circ$$

$$\Rightarrow \theta = \frac{60^\circ}{6} = 10^\circ$$

## SSC CGL Important Questions PDF

### Question 55

The following table indicates the number of students studying in three disciplines in five colleges:

Disciplines	Colleges				
	A	B	C	D	E
Science	300	350	275	400	275
Commerce	250	400	325	275	250
Economics	400	450	250	300	500

What percentage of total students are studying in the commerce stream in all five colleges together?

- A 28%
- B 30%
- C 32%
- D 33%

**Answer: B**

### Explanation:

As per the given table,

$$\text{Total number of student studying in all the five college} = 300 + 250 + 400 + 350 + 400 + 450 + 275 + 325 + 250 + 400 + 275 + 300 + 275 + 250 + 500$$

$$\Rightarrow \text{Total number of student studying in all the five college} = 5000$$

$$\text{total number of student studying in all the commerce stream in all the five college} = 1500$$

$$\text{Hence the required percentage} = \frac{1500}{5000} \times 100 = 30\%$$

### Question 56

Two articles are sold for ₹ 10,005 each. On one, the seller gains 15% and on the other, he loses 13%. What is his overall gain or loss percent, correct to two decimal places?

- A 1.42% gain
- B 0.94% loss
- C 0.94% gain
- D 1.42% loss

**Answer: B**

**Explanation:**

As per the given question,

The sold price of the article = Rs. 10005

On the first article, gain = 15%

On the other article, losses = 13%

Let the cost price of the first article is =  $x$  and other is =  $y$

$$\text{So, gain} = \frac{\text{Sold price} - \text{Cost price}}{\text{Cost price}} \times 100$$

$$\Rightarrow 15 = \frac{10005 - x}{x} \times 100$$

$$\Rightarrow 15x = 10005 \times 100 - x \times 100$$

$$\Rightarrow 115x = 10005 \times 100$$

$$\Rightarrow x = \frac{10005 \times 100}{115} = 8700$$

Hence, profit amount =  $10005 - 8700 = 1305$ Rs

Now,

$$\text{loss} = \frac{\text{Cost price} - \text{Sold price}}{\text{Cost price}} \times 100$$

$$\Rightarrow 13 = \frac{x - 10005}{x} \times 100$$

$$\Rightarrow 13x = 100x - 10005 \times 100$$

$$\Rightarrow 100x - 13x = 10005 \times 100$$

$$\Rightarrow 87x = 10005 \times 100$$

$$\Rightarrow x = \frac{10005 \times 100}{87} = 11500$$
Rs.

Hence, loss amount =  $11500 - 10005 = 1495$ Rs.

So overall loss amount  $1495 - 1305 = 190$ Rs.

Hence the required percentage =  $\frac{190}{20020} \times 100 = 0.94\%$  loss

**Question 57**

$\triangle ABC \sim \triangle PQR$  and  $PQ = 6$  cm,  $QR = 8$  cm and  $PR = 10$  cm. If  $\text{ar}(\triangle ABC) : \text{ar}(\triangle PQR) = 1 : 4$ , then  $AB$  is equal to:

- A 2 cm
- B 3 cm
- C 4 cm
- D 5 cm

**Answer:** C

**Explanation:**

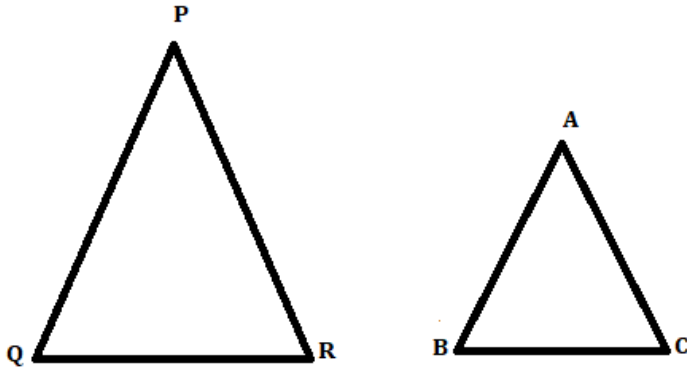
Given that,

$$\triangle ABC \sim \triangle PQR$$

$PQ = 6$  cm,  $QR = 8$  cm and  $PR = 10$  cm

$$\text{ar}(\triangle ABC) : \text{ar}(\triangle PQR) = 1 : 4$$

Now as per the theorem of similarity of triangle,



$$\frac{ar(\triangle ABC)}{ar(\triangle PQR)} = \frac{AB^2}{PQ^2} = \frac{BC^2}{QR^2} = \frac{AC^2}{PR^2}$$

Now substituting the values,

$$\frac{AB^2}{PQ^2} = \frac{1}{4} \quad \text{--- (i)}$$

taking square root of both side of equation (i) and substituting the values

$$\begin{aligned} \Rightarrow \frac{AB}{8} &= \frac{1}{2} \\ \Rightarrow AB &= 2 \times 2 = 4\text{cm} \end{aligned}$$

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### Question 58

A train without stop page travels with an average speed of 65 km/h and with stoppage, it travels with an average speed of 52 km/h. For how many minutes does the train stop on an average per hour?

- A 14
- B 13
- C 12
- D 15

**Answer:** D

#### Explanation:

Let the total distance traveled by the train =d

And total time taken t=1 hour

so, if train is not getting stop at any stoppage then average speed of the train  $65 = \frac{d}{1}$  --- (i) km/hour

If train is getting stop at the stoppage for the time  $t_1$

Then average speed of the train  $52 = \frac{d}{1 + t_1}$  --- (ii)

from equation (i) and (ii)

$$\Rightarrow 52 = \frac{65}{1 + t_1}$$

$$\Rightarrow t_1 = 1.25 - 1 = 0.25$$

$$\Rightarrow t_1 = 0.25 \text{ hour} = \frac{25}{60} \times 60 = 25 \text{ min}$$

$$\Rightarrow t_1 = 4 = 15 \text{ min}$$

**Question 59**

Chords AB and CD of a circle, when produced, meet at a point P outside the circle. If AB = 6 cm, CD = 3 cm and PD = 5 cm, then PB is equal to:

A 2.744 cm

B 6.25 cm

C 5 cm

D 6 cm

**Answer: A**

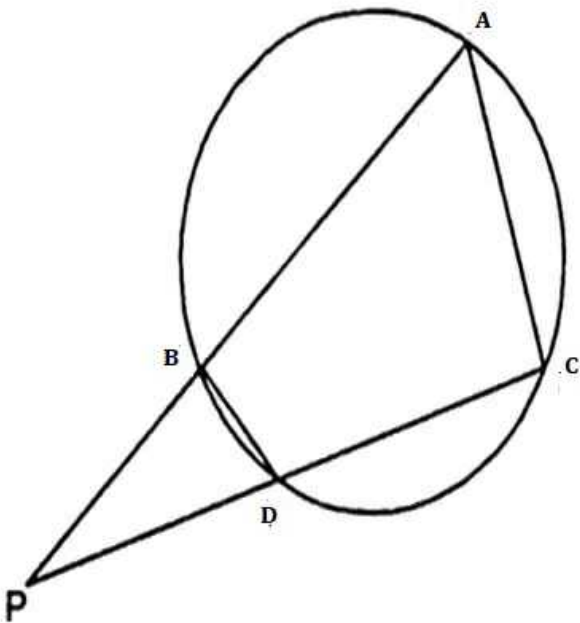
**Explanation:**

Given that,

AB = 6 cm, CD = 3 cm and PD = 5 cm  $PB = ?$

We know that intersecting secant theorem says that, when two secant lines AB and CD intersect outside the circle at a point P,

then  $PA \times PB = PC \times PD$  — (1)



$$PA = PB + AB \text{ and } PC = PD + CD$$

$$(1) \Rightarrow (PB + AB)(PB) = (PD + CD)(PD)$$

$$PB \times (PB + 6) = (5 + 3) \times 3$$

$$PB^2 + 6PB = 8 \times 3$$

$$PB^2 + 6PB - 24 = 0$$

$$PB = \frac{-6 \pm \sqrt{36 + 96}}{2}$$

$$PB = 2$$

$$PB = \frac{11.48 - 6}{2} \text{ or } PB = \frac{-6 - 11.48}{2}$$

$$PB = 2.744\text{cm or } PB = -8.74$$

Length cannot be negative.

Therefore, Length of PB = 2.744 cm.

**Question 60**

A is 40% more efficient than B and C is 20% less efficient than B. Working together, they can finish a task in 15 days. In how many days, will B alone complete 75% of the task?

- A 48
- B 44
- C 36
- D 32

**Answer: C**

**Explanation:**

Let B can finish 100% of work in X days.

$$\text{Therefore B's one day work} = \frac{100}{x} \%$$

A can finish 140% of work in x days,

$$\text{Therefore A's one day work} = \frac{140}{x} \%$$

C can finish 80% of work in x days,

$$\text{Therefore, C's one day work} = \frac{80}{x} \%$$

$$\text{So, If A, B and C are working together, then their one day's combine work} = \left( \frac{100}{x} + \frac{140}{x} + \frac{80}{x} \right) \%$$

$$\text{together they can finish 100% of work} = \left( \frac{100}{x} + \frac{140}{x} + \frac{80}{x} \right) \% \times 15$$

$$\Rightarrow \left( \frac{100}{x} + \frac{140}{x} + \frac{80}{x} \right) \% \times 15 = 100\%$$

$$\Rightarrow x = \left( \frac{100 + 140 + 80}{100 + 140 + 80} \right) \times 15$$

$$\Rightarrow x = 1 + 1.4 + 0.8 \times 15$$

$$\Rightarrow x = 3.2 \times 15$$

$$\Rightarrow x = 48.0 \text{ days}$$

$$\text{Hence, B alone can finish 75\% work in} = \frac{48 \times 75}{100} = 36 \text{ days.}$$

**General Science Notes for SSC CGL**

**Question 61**

The price of sugar is increased by 22%. A person wants to increase his expenditure by 12% only. By what percent should he decrease his consumption, nearest to one decimal place?

- A 10%
- B 8.2%
- C 7.8%

D 8.6%

Answer: B

Explanation:

Let the initial price of 1kg sugar is =  $x$ Rs.

As per the question, the price of the sugar is increased by 22%  
 $122x$

Hence, new price of 1kg sugar =  $100 = 1.22x$  Rs.

Initial expenditure of the person is =  $x$ Rs.

As per the condition, person increased his expenditure by = 12

Hence, the new expenditure amount of the person =  $100 = 1.22x$ Rs.

Hence, the required percentage =  $\frac{1.22x - 1.12x}{1.22x} \times 100$

$0.1x$   
 $\Rightarrow 1.22x \times 100 = 8.2\%$

So the consumption should be decreased by 8.2%

Question 62

If  $\sqrt{x} + \frac{1}{\sqrt{x}} = \sqrt{6}$ , then  $x^2 + \frac{1}{x^2}$  is equal to:

A 36

B 16

C 62

D 14

Answer: D

Explanation:

Given that,

$$\sqrt{x} + \frac{1}{\sqrt{x}} = \sqrt{6} \quad \text{--- (i)}$$

taking square of both side of equation (i)

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

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

$$x + \frac{1}{x} + 2 = 6$$

$$x + \frac{1}{x} = 4 \quad \text{--- (ii)}$$

Now squaring of equation(ii)

$$x^2 + \frac{1^2}{x^2} + \frac{2x}{x} = (4)^2$$

$$x^2 + \frac{1}{x^2} + 2 = 16$$

$$x^2 + \frac{1}{x^2} = 14$$

**Question 63**

An article is sold for ₹ 657.90 after successive discounts of 15 % and 10%. What is the marked price of the article?

- A ₹880
- B ₹920
- C ₹860
- D ₹900

**Answer:** C

**Explanation:**

Let the marked price of the article =  $x$  Rs.

So, as per the question, there is two successive discounts of 15% and 10%

$$x \times \frac{85}{100} \times \frac{90}{100} = 657.9$$

$$x \times 85 \times 90 = 657.9 \times 100 \times 100$$

$$x = \frac{657.9 \times 1000}{85 \times 9}$$

$$x = \frac{657.9 \times 1000}{85 \times 9}$$

$$x = 860\text{Rs.}$$

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**Question 64**

The value of  $\sec^2 28^\circ - \cot^2 62^\circ + \sin^2 60^\circ + \operatorname{cosec}^2 30^\circ$  is equal to:

- A  $\frac{19}{4}$
- B 3
- C  $\frac{7}{2}$
- D  $\frac{23}{4}$

**Answer:** D

**Explanation:**

$$\sec^2 28^\circ - \cot^2 62^\circ + \sin^2 60^\circ + \operatorname{cosec}^2 30^\circ$$

We know that  $\sec(90^\circ - A) = \operatorname{cosec} A$ ,  $\operatorname{cosec}(90^\circ - A) = \sec A$  and  $\sin^2 A + \cos^2 A = 1$

$$\text{Now, } \sec^2 28^\circ - \cot^2 62^\circ + \sin^2 60^\circ + \operatorname{cosec}^2 30^\circ$$

$$\Rightarrow \operatorname{cosec}^2(90^\circ - 28^\circ) - \cot^2 62^\circ + \sin^2 60^\circ + \sec^2(90^\circ - 30^\circ)$$

$$\Rightarrow \operatorname{cosec}^2 62^\circ - \cot^2 62^\circ + \sin^2 60^\circ + \sec^2 60^\circ$$

$$\Rightarrow \sin^2 62^\circ - \cos^2 62^\circ + \sin^2 60^\circ + \cos^2 60^\circ$$

$$\Rightarrow \frac{1 - \cos^2 62^\circ}{\sin^2 62^\circ} + \frac{1}{\sin^2 60^\circ} + \cos^2 60^\circ$$

$$\Rightarrow \frac{\sin^2 62^\circ}{\sin^2 62^\circ} + \frac{1}{\sin^2 60^\circ} + \cos^2 60^\circ$$

$$\Rightarrow 1 + \left(\frac{\sqrt{3}}{2}\right)^2 + \left(\frac{1}{2}\right)^2$$

$$\Rightarrow 1 + 4 + 4$$

$$\Rightarrow \frac{4 + 3 + 16}{4}$$

$$\Rightarrow \frac{23}{4}$$

**Question 65**

The following table indicates the number of students studying in three disciplines in five colleges:

Disciplines	Colleges				
	A	B	C	D	E
Science	300	350	275	400	275
Commerce	250	400	325	275	250
Economics	400	450	250	300	500

What is the ratio of the total number of students studying in the science stream to that of studying in commerce stream in all five colleges taken together?

- A 16:15
- B 19:15
- C 16:19
- D 14:15

**Answer: A**

**Explanation:**

As per the given in the question,

$$\text{total number of student studying in science stream in all five college} = 300 + 350 + 275 + 400 + 275 = 1600$$

$$\text{total number of student studying in commerce stream in all five college} = 250 + 400 + 325 + 275 + 250 = 1500$$

$$\text{Hence, the required ratio} = \frac{1600}{1500} = \frac{16}{15}$$

**Question 66**

The radii of two circular faces of the frustum of a cone of height 21 cm are 3 cm and 2 cm respectively. What is the volume of the frustum of the cone in  $\text{cm}^3$  ( $\pi = \frac{22}{7}$ )?

- A 154



B 418

C 345

D 286

Answer: B

Explanation:

As per the question,

It is given that the height of the frustum of the cube ( $h$ ) = 21cm

The radius of the larger face of frustum of the cube ( $R$ ) = 3cm

The radius of the smaller face of frustum of the cube ( $r$ ) = 2cm

$$\pi = \frac{22}{7}$$

$$\text{The volume of the frustum of the cube (V) = } \frac{\pi h(R^2 + r^2 + R \times r)}{3}$$

$$\text{Now substituting the value } V = \frac{22 \times 21(3^2 + 2^2 + 3 \times 2)}{7 \times 3}$$

$$\Rightarrow V = \frac{22 \times 21(3^2 + 2^2 + 3 \times 2)}{7 \times 3}$$

$$\Rightarrow V = 418\text{cm}^3$$

## SSC Exam Free Videos (Youtube)

Question 67

In  $\triangle ABC$ , AD is a median and P is a point on AD such that AP : PD = 3 : 4. Then ar( $\triangle APB$ ) : ar( $\triangle ABC$ ) is equal to:

A 3 : 14

B 3 : 7

C 3 : 4

D 2 : 7

Answer: A

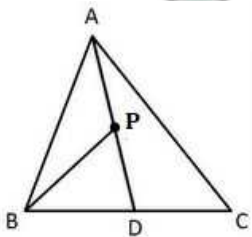
Explanation:

Given that,

In  $\triangle ABC$ , AD is the median.

And P is a point on AD such that AP : PD = 3 : 4

We know that If two triangle have the same height and the length of the base is different then ratio of their area will be equal to the ratio of the respective base.



In  $\triangle ABC$ ,

$$\text{ar}(\triangle ABD) = \text{ar}(\triangle ADC) = \frac{\text{ar}(\triangle ABC)}{2}$$

So, As per the area division rule of a triangle,

$$\begin{aligned} ar(\triangle APB) &= 3 \\ \Rightarrow ar(\triangle BPD) &= 4 \end{aligned}$$

$$\text{So, } \Rightarrow ar(\triangle APB) = \frac{3 \times ar(\triangle ABD)}{3 + 4}$$

$$\Rightarrow ar(\triangle ABD) = \frac{3 \times ar(\triangle ABD)}{7}$$

Hence,

$$\frac{3 \times ar(\triangle ABD)}{7}$$

$$\Rightarrow ar(\triangle APB) : ar(\triangle ABC) = 2 \times ar(\triangle ABD)$$

$$\Rightarrow ar(\triangle APB) : ar(\triangle ABC) = 3 : 14$$

### Question 68

In a circle with centre O, AB is the diameter and CD is a chord such that ABCD is a trapezium. If  $\angle BAC = 25^\circ$ , then  $\angle CAD$  is equal to:

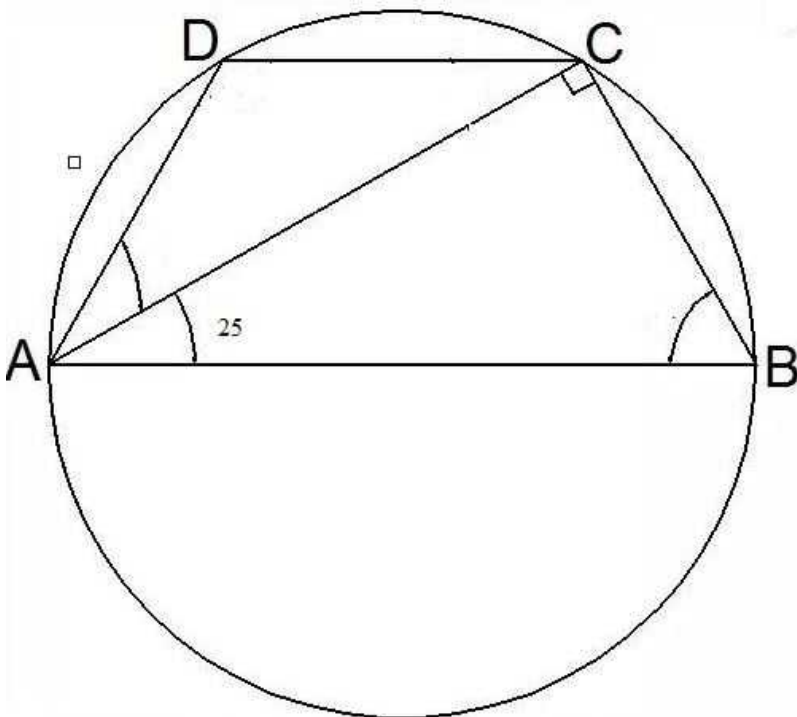
- A  $40^\circ$
- B  $25^\circ$
- C  $65^\circ$
- D  $45^\circ$

Answer: A

Explanation:

As per the question,

ABCD is a trapezium and  $\angle BAC = 25^\circ$



As we know from the property of trapezium,  $AB \parallel CD$

So,  $\angle BAC = \angle ACD = 25^\circ$

We know from the circle theorem,

$$\angle ACB = 90^\circ$$

Now, from the cyclic quadrilateral rule,

$$\Rightarrow \angle DAB + \angle DCB = 180$$

$$\Rightarrow \angle DAC + \angle CAB + 90 + 25 = 180$$

$$\Rightarrow \angle DAC + 25 + 90 + 25 = 180$$

$$\Rightarrow \angle DAC = 180 - 140$$

$$\Rightarrow \angle DAC = 40^\circ$$

#### Question 69

If  $\cot \theta = \frac{3}{4}$ , then  $\sin \theta + \cos \theta - \tan \theta$  is equal to:

A  $\frac{1}{15}$

B  $-\frac{1}{20}$

C  $\frac{1}{20}$

D  $\frac{2}{15}$

Answer: A

#### Explanation:

Given that,

$$\cot \theta = \frac{3}{4}$$

$$\text{Then } \tan \theta = \frac{4}{3}$$

We know for the right angled triangle,

$$\text{Hypotenuse}^2 = \text{Base}^2 + \text{Perpendicular}^2$$

$$\text{So, } = \sqrt{3^2 + 4^2}$$

$$= \sqrt{25}$$

$$= 5$$

$$\text{Hence, } \sin \theta = \frac{4}{5} \text{ and } \cos \theta = \frac{3}{5} \text{ and}$$

$$\Rightarrow \sin \theta + \cos \theta - \tan \theta$$

$$\Rightarrow \frac{4}{5} + \frac{3}{5} - \frac{4}{3}$$

$$\Rightarrow \frac{4 \times 3}{5 \times 3} + \frac{3 \times 3}{5 \times 3} - \frac{4 \times 5}{3 \times 5}$$

$$\Rightarrow \frac{12}{15} + \frac{9}{15} - \frac{20}{15}$$

$$\Rightarrow \frac{12 + 9 - 20}{15}$$

$$\Rightarrow \frac{1}{15}$$

$$\Rightarrow \frac{1}{15}$$

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#### Question 70

If  $a + b = 5$  and  $ab = 3$ , then  $(a^3 + b^3)$  is equal to:

A 80

B 70

C 75

D 65

Answer: A

**Explanation:**

Given that,

$$a + b = 5 \text{ and } ab = 3$$

$$\text{Now, } a + b = 5$$

squaring both side,

$$\Rightarrow (a + b)^2 = 25$$

$$\Rightarrow (a + b)^2 = a^2 + b^2 + 2ab$$

$$\Rightarrow (a + b)^2 = a^2 + b^2 + 2ab$$

$$\Rightarrow a^2 + b^2 = 25 - 2ab$$

$$\Rightarrow a^2 + b^2 = 25 - 2 \times 3 = 19$$

$$\Rightarrow (a^3 + b^3) = (a + b)(a^2 + b^2 - ab)$$

$$\Rightarrow (a^3 + b^3) = (5)(19 - 3)$$

$$\Rightarrow (a^3 + b^3) = 80$$

**Question 71**

The value of:  $28 + (5.2 \div 1.3 \times 2) - 6 \times 3 \div 8 + 2$

A 4.55

B 6.45

C 35.75

D 8.45

Answer: C

**Explanation:**

$$28 + (5.2 \div 1.3 \times 2) - 6 \times 3 \div 8 + 2$$

As per the number system rule,

$$28 + (5.2 \div 1.3 \times 2) - 6 \times 3 \div 8 + 2$$

$$28 + (4 \times 2) - 6 \times 3 \div 8 + 2$$

$$28 + (8) - 6 \times 3 \div 8 + 2$$

$$28 + (8) - 6 \times 0.375 + 2$$

$$28 + (8) - 2.25 + 2$$

$$38 - 2.25 = 35.75$$

**Question 72**

What is the least value of x such that  $517x324$  is divisible by 12?

A 3

B 2

C 1

D 0

Answer: B

**Explanation:**

Given that,

Number  $517x324$  is divisible by  $12$

So, the multiple of  $12 = 3 \times 4$

The mentioned number will be divisible by 12 if it is individually divisible by 3 and 4

**Divisibility by 4**- Any number will be divisible by 4 if last two digit of that number will be divisible by 4.

so, in this case last two digits are 24, which is divisible by 4.

Hence, for any value of  $x$  the mentioned number will be divisible by 4

**Divisibility by 3**- Any number will be divisible by 3, if the sum of the digit of that number will be divisible by 3.

But as per question we have to find the minimum value of  $x$ , so that it can be divisible.

Hence,  $5+1+7+x+3+2+4=22+x$

the nearest value of  $22+x$  which is divisible by 3 is 24,

So  $22+x=24$

$x=2$

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### Instructions

The following table indicates the number of students studying in three disciplines in five colleges:

Disciplines	Colleges				
	A	B	C	D	E
Science	300	350	275	400	275
Commerce	250	400	325	275	250
Economics	400	450	250	300	500

### Question 73

What percentage of students in college B is studying in the science stream, (correct to one decimal place)?

- A 29.4%
- B 29.2%
- C 29.6%
- D 29.8%

Answer: B

### Explanation:

From the above table,

total number of student in the college B =  $350+400+450 = 1200$

total number of student in the science stream = 350

Hence, the required percentage  $\frac{350 \times 100}{1200} = 29.16\%$

Hence, approximately 29.2% student studying in the science stream.

### Question 74

If a pie-chart is drawn representing the number of students in all five colleges, what is the central angle (correct to the nearest whole number) of the sector representing the students of college B?

- A  $86^\circ$
- B  $82^\circ$
- C  $80^\circ$
- D  $84^\circ$

Answer: A

**Explanation:**

From the above table,

The number of students are available in college A = 950

The number of students are available in college B = 1200

The number of students are available in college C = 850

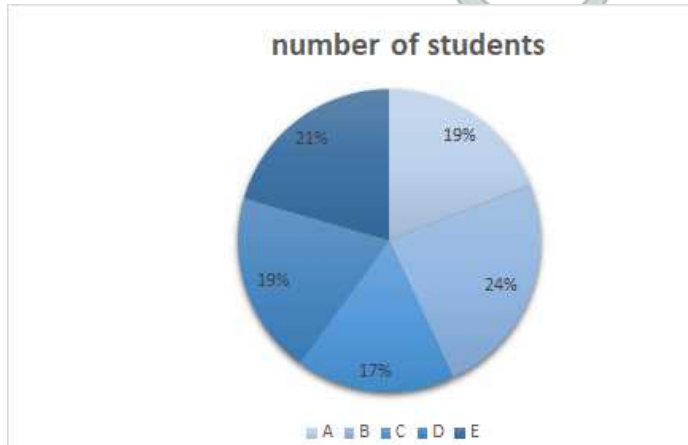
The number of students are available in college D = 975

The number of students are available in college E = 1025

Hence, total number of students are available in the class = 5000

so percentage of area occupy by college B =  $\frac{1200 \times 100}{5000} = 24\%$

which occupy 24% of the area in the pie graph.



Hence angle =  $\frac{24 \times 360}{100} = 86.6^\circ$

So, it will be approximately  $86^\circ$

**Instructions**

For the following questions answer them individually

**Question 75**

The average marks of 45 students was found to be 66. If the marks of two students were incorrectly entered as 28 and 64 instead of 82 and 46 respectively, then what is the correct average?

A 67.2

B 66.8

C 66.4

D 66.6

**Answer: B**

**Explanation:**

Let the marks of the students are  $X_1, X_2, X_3, \dots, X_{45}$

It is given that the marks of the two student which entered incorrectly that is 28 and 64

Let  $X_1 = 28$  and  $X_2 = 64$

Average marks of student when wrongly entered =  $\frac{28+64+X_3+\dots+X_{45}}{45} = 66$

$$28+64+X_3+\dots+X_{45} = 66 \times 45$$

$$X_3+\dots+X_{45} = 66 \times 45 - 28 - 64 \text{ ----- (i)}$$

It is given that correct marks are 82 and 46

After entering correct marks, new average will be =  $\frac{82+46+X_3+\dots+X_{45}}{45}$  ----- (ii)

From equation (i) and (ii)

$$= \frac{82+46+66 \times 45 - 28 - 64}{45}$$

$$= \frac{3006}{45} = 66.8$$

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### English

#### Instructions

For the following questions answer them individually

#### Question 76

Select the correct active form of the given sentence.

We will all be greatly benefitted by this scheme.

- A This scheme is going to greatly benefit us all.
- B This scheme would greatly benefit we all.
- C This scheme has greatly benefitted us all.
- D This scheme will greatly benefit us all.

Answer: D

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#### Question 77

Select the most appropriate meaning of the underlined idiom in the given sentence.

Due to increased number of lay offs in the industry, the sword of Damocles is always hanging over the employees.

- A strict rules and regulations
- B an ill omen of death
- C threat of physical harm
- D a constant threat

Answer: D

#### Question 78

Given below are four jumbled sentences. Select the option that gives their correct order.

- A. The brain is active too during sleep, sending messages for the heart to beat regularly.
- B. However, the body utilizes the sleeping time effectively.
- C. We spend about one third of our time sleeping.
- D. It produces energy and releases hormones for repair and growth during the night.

- A ABDC
- B CABD
- C CBDA
- D BADC

Answer: C

#### Question 79

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

A fictitious name used by an author

- A alibi
- B pseudonym
- C anonymous
- D homonym

Answer: B

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### Question 80

In the sentence identify the segment which contains the grammatical error.  
Ten kilometres are a long distance to cover on foot for a child.

- A to cover on foot
- B a long distance
- C Ten kilometres are
- D for a child

Answer: C

### Question 81

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

Knowing the particular things that motivate each person help you add power to their motivation.

- A helps you add power
- B No improvement
- C help you adding power
- D help you to add power

Answer: A

### Question 82

Select the most appropriate synonym of the given word.

PERPLEX

- A deceive
- B complex
- C bewilder
- D surprise

Answer: C

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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. Select the most appropriate option for each blank.

**Comprehension:**

Leaving his car with the valet, he (1)\_\_\_\_\_ the hotel and joined the large crowd milling (2)\_\_\_\_\_. He found a badge waiting for him (3)\_\_\_\_\_ the receptionist's table and took his (4)\_\_\_\_\_ in the rear of the hall. When the place was (5)\_\_\_\_\_ the moderator welcomed the crowd.

**Question 83**

Select the most appropriate option to fill in blank No.1.

- A entered
- B admitted
- C accessed
- D invaded

Answer: A

**Question 84**

Select the most appropriate option to fill in blank No.2.

- A about
- B aside
- C into
- D out

Answer: A

**Question 85**

Select the most appropriate option to fill in blank No.3.

- A over
- B by
- C in
- D at

Answer: D

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**Question 86**

Select the most appropriate option to fill in blank No.4.

- A lounge
- B couch
- C stand

D seat

Answer: D

**Question 87**

Select the most appropriate option to fill in blank No.5.

A empty

B filled

C completed

D stuffed

Answer: B

**Instructions**

For the following questions answer them individually

**Question 88**

In the sentence identify the segment which contains the grammatical error.  
There isn't many rice left in the house so we must replenish our stock soon.

A There isn't many rice

B left in the house

C our stock soon

D so we must replenish

Answer: A

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**Question 89**

Select the correctly spelt word.

A tuetion

B tution

C tuttion

D tuition

Answer: D

**Question 90**

Select the most appropriate antonym of the given word.  
MEAGRE

A plentiful

B scanty

C inadequate

D premium

Answer: A

**Question 91**

Select the most appropriate meaning of the underlined idiom in the given sentence.  
True friends stay by our side through thick and thin.

A under all circumstances

B in difficult times

C in happy moments

D in different weathers

Answer: A

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**Question 92**

Select the most appropriate synonym of the given word.  
DEFER

A dictate

B dread

C delay

D despair

Answer: C

**Question 93**

Select the correct passive form of the given sentence.  
The sailors had never encountered such a rough sea.

A Such a rough sea had never been encountered by the sailors.

B Such a rough sea is never encountered by the sailors.

C Such a rough sea has never been encountered by the sailors.

D Such a rough sea was never encountered by the sailors.

Answer: A

**Question 94**

Select the most appropriate option to fill in the blank.  
She got a lucrative job of a translator because she was \_\_\_\_\_ in French.

A deficient

B sufficient

C proficient

D efficient

Answer: C

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### Question 95

Select the most appropriate option to fill in the blank.

The committee reached \_\_\_\_\_ decision regarding the appointment of the chairman.

A a compatible

B a unanimous

C an agreeable

D an exemplary

Answer: B

### Question 96

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

One who is a great lover of books

A hemophile

B pedophile

C bibliophile

D xenophile

Answer: C

### Question 97

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

Your coming home to dinner on time should be a rule rather the exception.

A should be a rule rather being the exception

B No improvement

C shall be a rule rather than a exception

D should be the rule rather than the exception

Answer: D

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### Question 98

Given below are four jumbled sentences. Select the option that gives their correct order.

A. But they faced grave danger if they tried to criticize these decisions.

B. The nationalists now began to openly criticize the policies of the British.

C. The freedom movement changed this situation.

D. Under colonial rule, the people had lived in fear of the British government and did not agree with many of the decisions that they took.

- A CBAD
- B DBAC
- C DACB
- D BADC

Answer: C

Question 99

Select the correctly spelt word.

- A previllage
- B peivailege
- C privilege
- D previledge

Answer: C

Question 100

Select the most appropriate antonym of the given word.

ARROGANCE

- A superiority
- B sweetness
- C vanity
- D humility

Answer: D

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