



## SSC CGL 6 June 2019 Shift-1

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# Reasoning

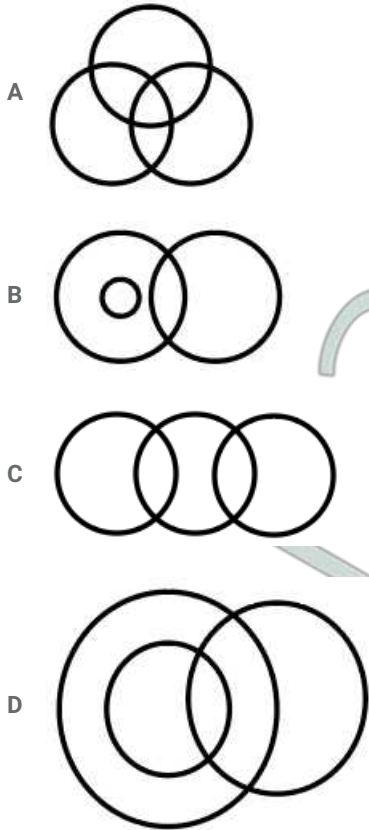
## Instructions

For the following questions answer them individually

### Question 1

Select the Venn diagram that best illustrates the relationship between the following classes.

Snakes, Reptiles, Poisonous



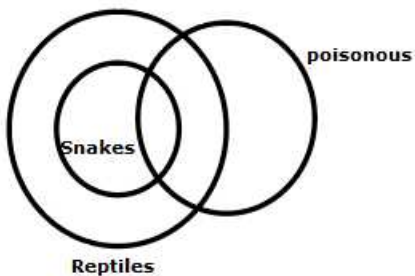
Answer: D

### Explanation:

In given question,

Snakes, Reptiles, Poisonous

Snakes is a kind of reptile animals, few snakes and reptiles are poisonous. Hence the correct relation is given below.



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### Question 2

In a code language, COMPUTER is written as OCREPMTU. How will DAUGHTER be written in the same language?

A ADTHREGU

B ADERUGTH

C READTHGU

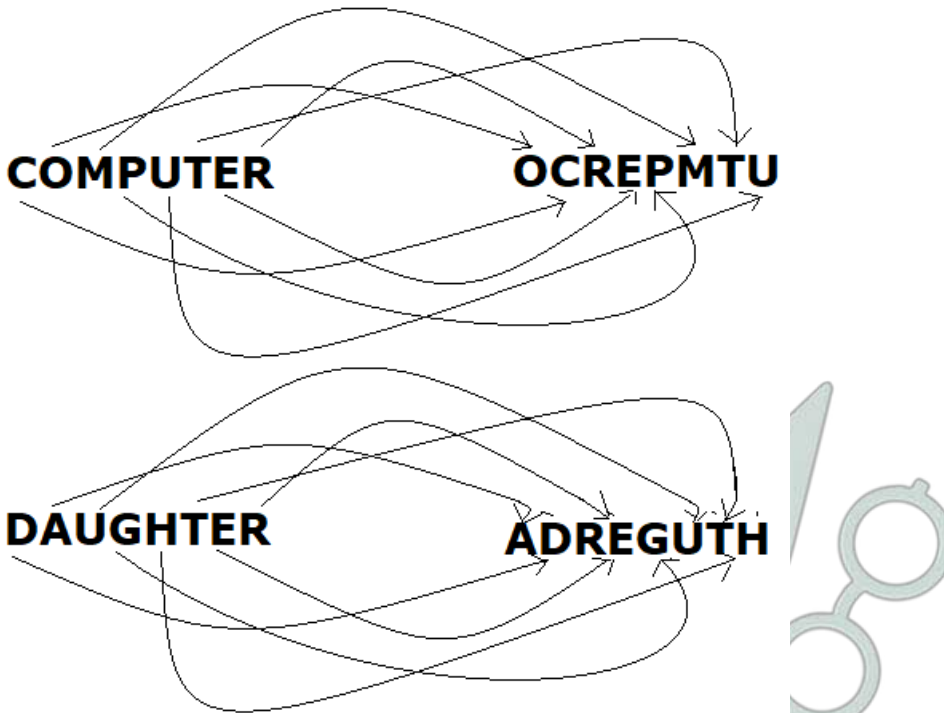
D ADREGUTH

Answer: D

**Explanation:**

As per the given question,

The given pattern the first two letters is exchanging their positions mutually and then same exchange process is happening with the last two terms then again next two terms then again from right two terms, as so on. Which is represented below with the help of diagram.



**Question 3**

Select the set in which the numbers are related in the same way as are the numbers of the following set. (8, 12, 24)

A (6, 9, 18)

B (6, 10, 18)

C (9, 18, 27)

D (12, 20, 40)

Answer: A

**Explanation:**

As per the given question,

In the given pattern (8, 12, 24) -  $8 \times 3 = 24$  and  $12 \times 2 = 24$

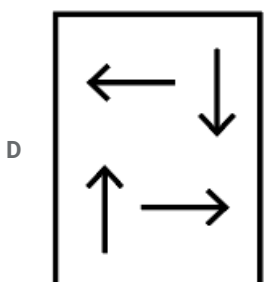
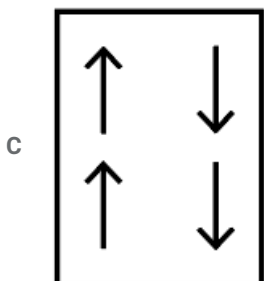
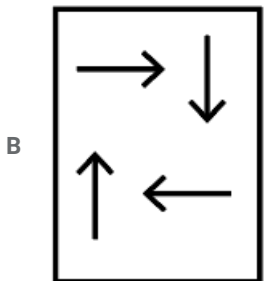
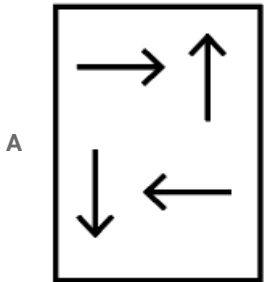
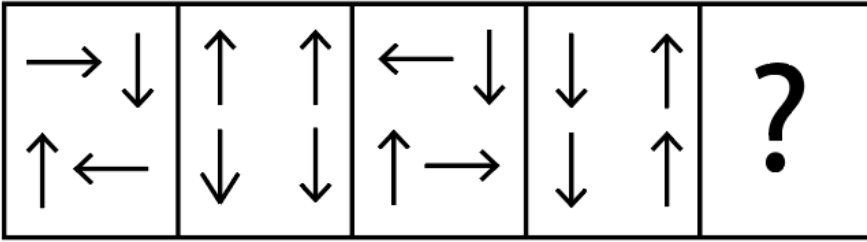
Similarly,

(6,9,18) is following the pattern as per the question's statement,

$6 \times 3 = 18$  and  $9 \times 2 = 18$

Question 4

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



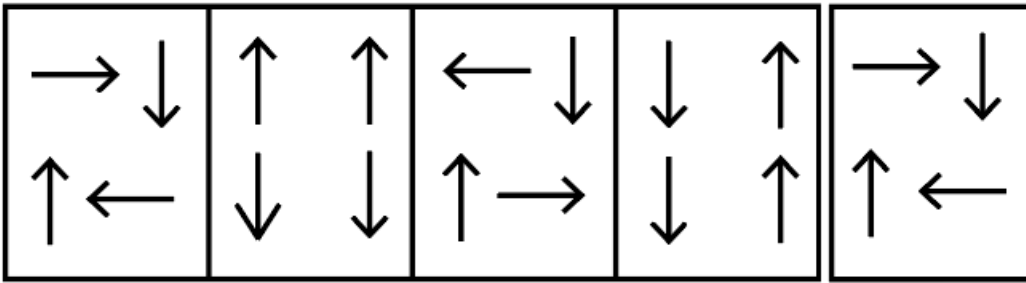
Answer: B

**Explanation:**

From the given pattern in the question,

We can conclude that 1,3 and 5th are following the same pattern and 2, 4 and 6 are following the same pattern.

Hence option B is the correct answer.



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### Question 5

Select the combination of letters that when sequentially placed in the gaps of the given letter series will complete the bac\_cab\_cd\_a\_ac\_ca

- A bdabc
- B debac
- C cadbc
- D dacbd

**Answer: D**

#### Explanation:

From the given question,

We can see that the given question following a particular pattern, which bacdca

Hence filling the values in the given gap,

bac\_cab\_cd\_a\_ac\_ca

that is bacdcabacdcabacdca

### Question 6

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

$$10 + 5 \div 10 \times 8 - 10 = 16$$

- A  $\times$  and  $+$
- B  $-$  and  $+$
- C  $\div$  and  $\times$
- D  $+$  and  $\div$

**Answer: B**

#### Explanation:

In the given question,

$$10 + 5 \div 10 \times 8 - 10 = 16$$

If we will interchange the  $+$  to  $-$  and  $-$  to  $+$ , then

$$\Rightarrow 10 - 5 \div 10 \times 8 + 10 = 16$$

1

$$\Rightarrow 10 - 2 \times 8 + 10 = 16$$

$\Rightarrow 10 - 4 + 10 = 16$

$\Rightarrow 6 + 10 = 16$

**Question 7**

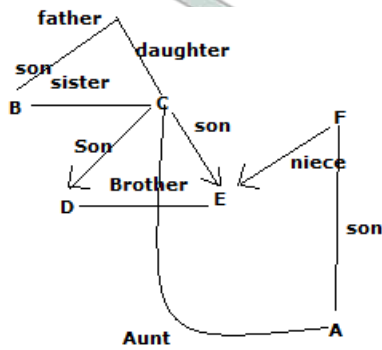
D is the son of C and the brother of E, who is the niece of F. C is the sister of B and the aunt of A. B's father has two children, a son and a daughter. If A is the son of F, how is F related to C?

- A Sister
- B Sister-in-law
- C Cousin
- D Aunt

**Answer: B**

**Explanation:**

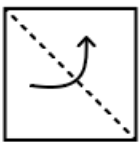
Hence, from the above statement given in the question, we can conclude that C and F are sister in law.



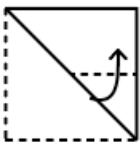
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**Question 8**

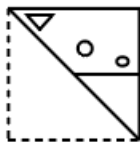
The sequence of folding a piece of square paper (figures X and Y) and the manner in which the folded paper has been cut (figure Z) are shown. How will the paper appear when unfolded?



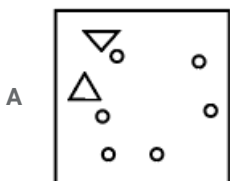
X



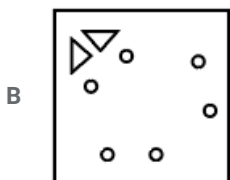
Y



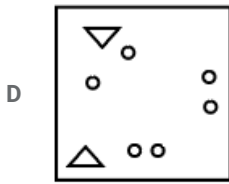
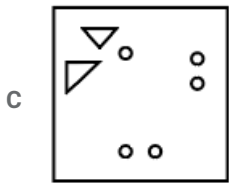
Z



A



B

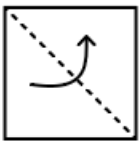


Answer: B

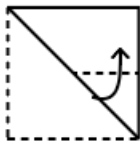
**Explanation:**

As per the given question,

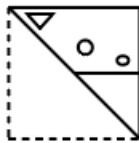
We can see that, when we will open the paper folding, then it will be get the below pattern.



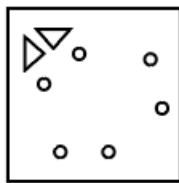
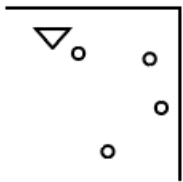
X



Y

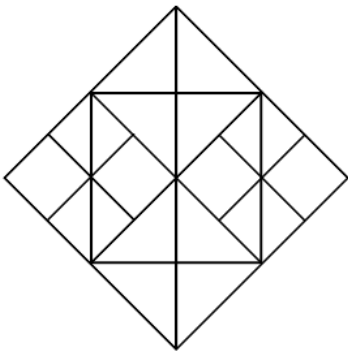


Z



**Question 9**

How many squares are there in the following figure ?



A 14

B 12

C 18

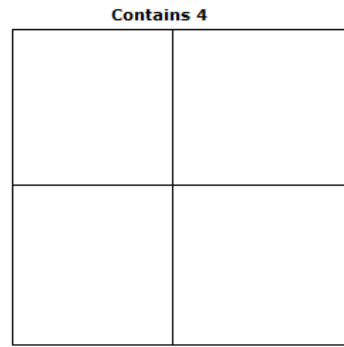
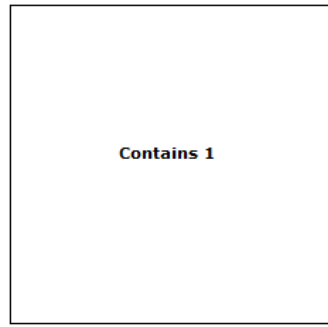
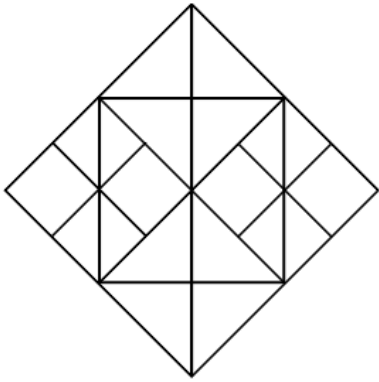
D 16

Answer: A

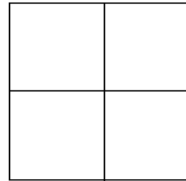
**Explanation:**

As per the given diagram,

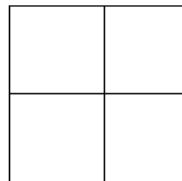
We can see the total number of square can be formed in the given diagram will be 14,



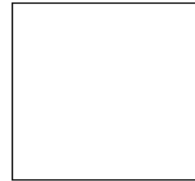
Contains 4 square



Contains 4 square



Contains 1



Hence total = 1+4+4+4+1=14

**Question 10**

Arrange the following words in a logical and meaningful order.

1. Student
2. Job
3. Interview
4. Education
5. Retirement
6. Degree

- A 1,5,3,6,4,2  
 B 5,3,2,1,4,6  
 C 3,5,4,6,1,2  
 D 1,4,6,3,2,5

**Answer:** D

**Explanation:**

As per the given question,

1. Student
2. Job
3. Interview
4. Education
5. Retirement
6. Degree

Hence the correct order of the the given word is below

1. Student 4. Education 6. Degree 3. Interview 2. Job 5. Retirement

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**Question 11**

Two mixtures contain milk and juice in the ratio of 2 : 1 and 4 : 5. If equal volumes of the two mixtures are mixed together, what would be ratio of milk to juice in the resulting mixture?

- A 5:4



- B 7:5
- C 1:1
- D 5:3

**Answer: A**

**Explanation:**

As per the question,  
 Container A contains 2 liter of milk and 1 liter juice  
 And container B contains 4 liter of milk and 5 liter of juice  
 Now, Let both container have equal quantity which is 9 liter  
 So, in the first mixture, 6 liter of milk and 3 liter of juice should be there.  
 When both will be mixed then total quantity will be 18 liter  
 out of which 10 liter of milk and 8 liter of juice will be in container.  
 Hence the required ratio will be 10:8  
 or 5:4 will be milk and juice in the container.

**Question 12**

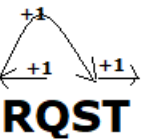
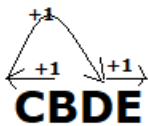
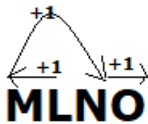
Three of the following four letter-clusters are alike in a certain way and one is different. Pick the odd one out.

- A MLNO
- B CBDE
- C RQST
- D FGHJ

**Answer: D**

**Explanation:**

As per the given option,  
 We can conclude that,



**FGHJ**

Option D is not following the pattern, hence it is different.

**Question 13**

Select the number-pair in which the two numbers are related in the same way as are the two numbers of the following number-pair.  
 7:32

- A 3:11

- B 13:98
- C 12:85
- D 16:145

**Answer: B**

**Explanation:**

As per the given pattern in the question,

$$7 : 32 - 7 \times 4 + 4 = 32$$

Similarly

$$13 : 98 - 13 \times 7 + 7 = 98$$

Hence B is the correct answer.

## SSC CGL Tier-2 Previous Papers PDF

**Question 14**

Select the set in which the numbers are related in the same way as are the numbers of the following set.  
(5, 13, 12)

- A (13, 17, 11)
- B (6, 10, 8)
- C (11, 15, 9)
- D (15, 19, 13)

**Answer: B**

**Explanation:**

From the given pattern,

$$(5, 13, 12) - \sqrt{13^2 - 5^2} = 12$$

Similarly,

$$(6, 10, 8) - \sqrt{10^2 - 6^2} = 8$$

**Question 15**

Select the option that is related to the third letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster.

MNOP : LONQ :: FGHI : ?

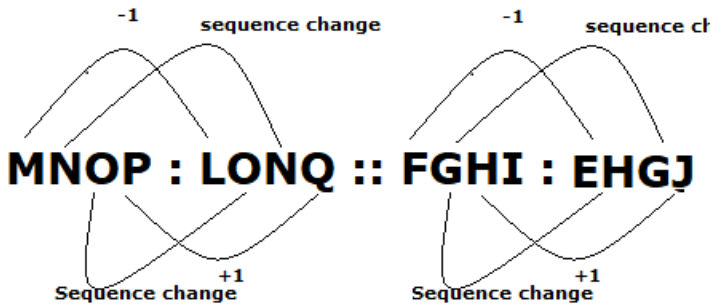
- A GFIJ
- B DHGK
- C EHGJ
- D EGHJ

**Answer: C**

**Explanation:**

From the given question we can conclude that it is following some particular pattern.

and the pattern is following as per the given image,



**Question 16**

If CAB is coded as 6 and BED is coded as 40, then how will HAD be coded as?

- A 46
- B 52
- C 32
- D 16

**Answer: C**

**Explanation:**

As per the question,

CAB is coded as 6,

As per the English letter sequence, C is the 3rd letter, A is the 1st letter and B is the 2nd letter so  $3 \times 1 \times 2 = 6$  similarly

BED is coded as 40,

As per the English letter sequence, B is the 2nd letter, E is the 5th letter and D is the 4th letter so  $2 \times 5 \times 4 = 40$

Hence

HAD will be coded as =32

As per the English letter sequence, H is the 8th letter, A is the 1st letter and D is the 4th letter so  $8 \times 1 \times 4 = 32$

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**Question 17**

Which number will replace the question mark (?) in the following series?

98, 95, 86, 82, 66, ?, 36

- A 63
- B 58
- C 60
- D 61

**Answer: D**

**Explanation:**

As per the question,

The given terms is following the a particular pattern.

$$98 \xrightarrow{-3} 95 \xrightarrow{-3^2} 86 \xrightarrow{-4} 82 \xrightarrow{-4^2} 66 \xrightarrow{-5} 61 \xrightarrow{-5^2} 36$$

Hence the missing terms will be 61.

**Question 18**

'Cinema' is related to 'Audience' in the same way as 'Church' is related to '.....'

- A Congregation
- B Meditation
- C Concentration
- D Prayer

**Answer: A**

**Explanation:**

Cinema- Audience

Audience is a group of people gathered in a show or encounter a work of art, literature, theater, music, video games, or academics in any medium.

Similarly

Church-Congregation

Congregation is a group of people assembled for religious worship.

**Question 19**

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

**Apathy : Enthusiasm**

- A Condemnation : Reverence
- B War : Attack
- C Enrolment : Employment
- D Treaty : Friendship

**Answer: A**

**Explanation:**

As per the question,

Apathy-lack of interest

enthusiasm-intense and eager enjoyment or interest

Means Apathy is antonyms of enthusiasm.

Similarly,

condemnation-the expression of very strong disapproval

reverence-deep respect for someone or something.

condemnation is the antonyms of reverence.

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**Question 20**

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

- A Krishna

B Mahanadi

C Tapti

D Godavari

Answer: C

Explanation:

Apart from the Tapti, all the rivers are ending into the Bay of Bengal but Tapti river ending into the Arab sea.

Question 21

Three of the following four numbers are alike in a certain way and one is different. Pick the number that is different from the rest.

A 28

B 217

C 338

D 65

Answer: C

Explanation:

From the given option we can see the every given number is following a pattern apart from option C,

$$3^3 + 1 = 28$$

$$6^3 + 1 = 217$$

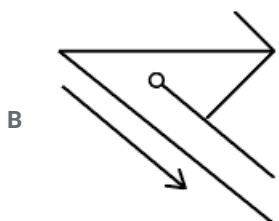
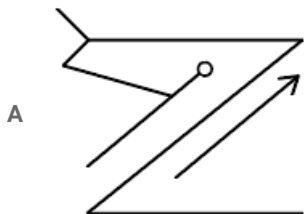
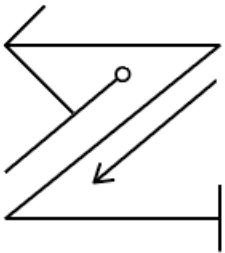
$$4^3 + 1 = 65$$

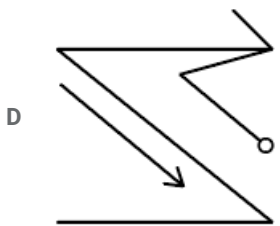
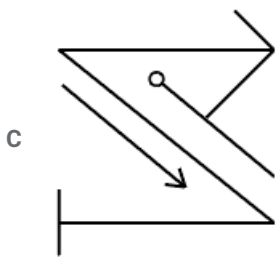
But option (c) 338 is not following the given pattern.

Hence, It is incorrect.

Question 22

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

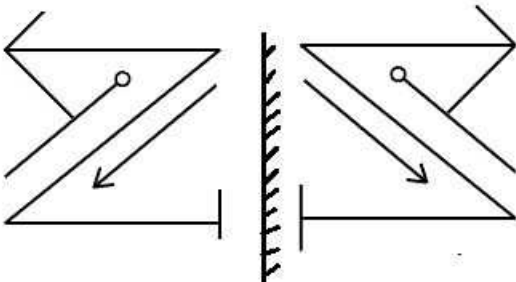




Answer: C

**Explanation:**

As per the given image in the question,  
The mirror image of the given pattern is

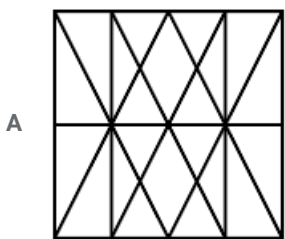
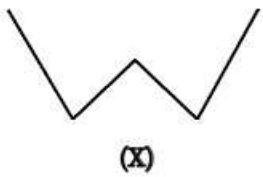


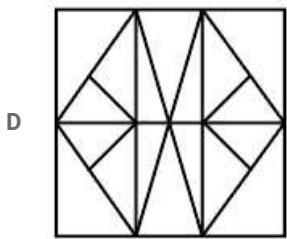
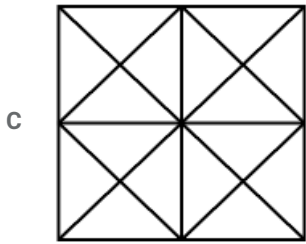
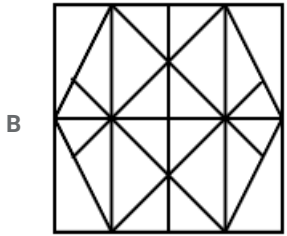
Hence, option C is the correct answer.

**General Science Notes for SSC CGL**

**Question 23**

Select the option in which the given figure is embedded.





Answer: B

Explanation:

The given pattern is available in the figure, below which is highlighted



Question 24

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

Statements :

No crow is a bird.

All birds are animals.

Conclusions:

I. Some animals are crows.

II. Some animals are birds.

III. No animal is a crow.

A Conclusion II and either conclusion I or III follows

B None of the conclusions follows

C Only conclusion III follows

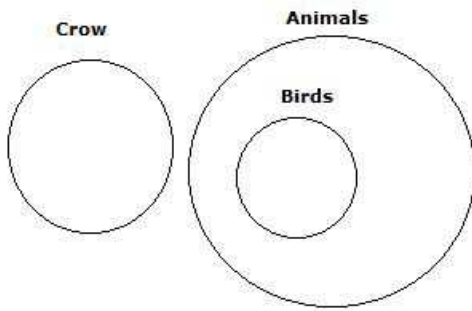
D Only conclusions I and III follow

Answer: A

Explanation:

As per the question,

We can conclude from the given statement,

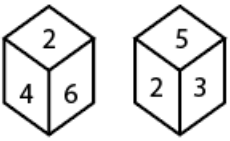


Statement II follow

Statement I and III are mutually exclusive so either I or II will follow.

#### Question 25

Two different positions of the same dice are shown. Which number will be at the top if 4 is at the bottom ?



- A 3
- B 6
- C 1
- D 5

Answer: A

#### Explanation:

As per the given position in the dice,

The adjacent faces of 2 is 4 and 6 in the first dice and the adjacent faces of 2 is 5 and 3

So, from the above two relations, when we will overlap the face 2 then we will found that the opposite face of 4 will be 3,

It means when the bottom face of the dice will be 4, then the top face of the dice will be 3.

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### General knowledge

#### Instructions

For the following questions answer them individually

#### Question 26

In February 2019, India won \_\_\_\_\_ gold medal/s and five silver medals at the Makran Cup Boxing in Chababar, Iran.

- A three
- B one
- C four
- D two

Answer: B



## SSC Exam Free Videos (Youtube)

### Question 27

\_\_\_\_\_, which connects Sikkim with Tibet, was closed after the Chinese aggression on India in 1962 but was reopened in 2006 as the governments of the two countries decided to enhance their trade through land routes.

- A Pensi La
- B Lanak La
- C Nathu La
- D Imis La

**Answer: C**

### Question 28

Who founded and named the science of electromagnetism?

- A James Clerk
- B Michael Faraday
- C HChristian Oersted
- D Andre Marie Ampère

**Answer: D**

### Question 29

Name the Indian Space Research Organisation (ISRO) chairman and Padma Bhushan awardee who created and unleashed a historical moment when Mars Orbiter became the first Indian spacecraft to enter Martian orbit in a maiden attempt.

- A K Radhakrishnan
- B Nandan Nilekani
- C Fali Nariman
- D Sundar Pichai

**Answer: A**

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### Question 30

Lok Adalats have been created under .....

- A Legal Services Authority Act
- B Administration of Justice Act
- C Arbitration and Conciliation Act
- D Legal Conciliation Act

**Answer: A**

**Question 31**

Which of the following destroys the ozone layer?

- A Carbon
- B Chlorine
- C Sulphur
- D Silicon

**Answer: B**

**Question 32**

..... was the first Muslim ruler whose empire covered almost the whole of India up to its extreme south.

- A Ghiyas ud din Balban
- B Feroz Shah Tughlaq
- C Alauddin Khilji
- D Jalal-ud-din Khilji

**Answer: C**

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**Question 33**

What is deposited on iron in the process of galvanisation?

- A Tin
- B Aluminium
- C Zinc
- D Copper

**Answer: C**

**Question 34**

World \_\_\_\_ Day 2019 was observed on 22nd March with the theme 'Leaving no one behind' to focus on marginalised groups.

- A Forest
- B Environment
- C Water
- D Petroleum

**Answer: C**

**Question 35**

In Which of the following metals is the most reactive metal?

- A Copper
- B Calcium
- C Zinc
- D Iron

Answer: B

## SSC CGL Free Online Coaching

### Question 36

In February 2019, \_\_\_\_ won a gold medal at the Makran Cup in Chabahar, Iran.

- A Manish Kaushik
- B Rohit Tokas
- C Deepak Singh
- D Satish Kumar

Answer: C

### Question 37

Which of the following ministries implemented the Midday Meal scheme?

- A Ministry of Social Welfare
- B Ministry of Home Affairs
- C Ministry of Social Justice and Empowerment
- D Ministry of Human Resource Development

Answer: D

### Question 38

The colourful art named Nandna block print, which uses graceful yet aligned arrangements of motifs on fabric, is practised in Tarapur village of .....

- A Maharashtra
- B Odisha
- C Uttarakhand
- D Madhya Pradesh

Answer: D

## SSC CHSL Previous Question papers (download pdf)

### Question 39

Which is the longest national highway in India?

- A National Highway 27
- B National Highway 53
- C National Highway 44
- D National Highway 48

**Answer: C**

**Question 40**

**Who was awarded the Rabindranath Tagore Literary Prize 2019 for the Novel 'Solo'?**

- A Rana Dasgupta
- B Nayanjyot Mukherjee
- C Jhumpa Lahiri
- D Amitabh Ghosh

**Answer: A**

**Question 41**

**Which Indian received the Nobel Peace Prize after Mother Teresa?**

- A P Sathasivam
- B K Radhakrishnan
- C Kailash Satyarthi
- D Fali Nariman

**Answer: C**

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

**Question 42**

**International Day of Forests 2019 was observed on 21st March with the theme ..... to raise awareness on how sustainably managed forests provide a wide array of contributions.**

- A Forests and Education'
- B Forests and Environment'
- C Forests Our Saviour'
- D pollution-free Forests'

**Answer: A**

**Question 43**

**The popular Bagh cave paintings are found in**

- A Sikkim

- B Madhya Pradesh
- C Odisha
- D Himachal Pradesh

**Answer: B**

**Question 44**

Which of the following does NOT come under the Quarternary sector?

- A Fisheries
- B Information Technology
- C Manufacturing
- D Mining

**Answer: B**

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**Question 45**

Right to move freely throughout the territory of India' is a fundamental right under \_\_\_\_\_ of the Constitution of India.

- A Article 21
- B Article 14
- C Article 19
- D Article 24

**Answer: C**

**Question 46**

The Badami Chalukyas first had their capital at \_\_\_\_ before they moved it to Badami.

- A Bijapur
- B Aihole
- C Hubli
- D Pattadakal

**Answer: B**

**Question 47**

Which of the following metals is the most ductile metal?

- A Copper
- B Aluminium
- C Tin

D Gold

Answer: D

## Join SSC Daily Quiz Telegram Group

Question 48

Which was the first Muslim dynasty that ruled India?

A Lodhi dynasty

B Tughlaq dynasty

C Khilji dynasty

D Slave dynasty

Answer: D

Question 49

Who among the following was a slave of Muhammad Ghori? He became the ruler after the death of his master and founded the Slave Dynasty.

A Nasir-ud-din Mahmud

B Ghiyas ud din Balban

C Qutub-ud-din Aibak

D Iltutmish

Answer: C

Question 50

Where is the Bandipur National Park located?

A Kerala

B Gujarat

C Karnataka

D Sikkim

Answer: C

## SSC CGL Free Mock Test

### Quant

Instructions

For the following questions answer them individually

Question 51

The value of  $(5 + 3 \div 5 \times 5) \div (3 \div 3 \text{ of } 6) \text{ of } (4 \times 4 \div 4 \text{ of } 4 + 4 \div 4 \times 4)$  is:

A  $7\frac{1}{3}$

B  $8\frac{1}{5}$

C  $9\frac{3}{5}$

D  $6\frac{2}{3}$

Answer: C

Explanation:

As per the question,

$$(5 + 3 \div 5 \times 5) \div (3 \div 3 \text{ of } 6) \text{ of } (4 \times 4 \div 4 \text{ of } 4 + 4 \div 4 \times 4)$$

Now,

$$\Rightarrow (5 + 3 \div 5 \times 5) \div (3 \div 3 \text{ of } 6) \text{ of } (4 \times 4 \div (4 \times 4) + 4 \times 4)$$

$$\Rightarrow (5 + 3 \div 5 \times 5) \div (3 \div 3 \text{ of } 6) \text{ of } (4 \times 16 + 4)$$

$$\Rightarrow (5 + 3 \div 5 \times 5) \div (3 \div 3 \text{ of } 6) \text{ of } (5)$$

$$\Rightarrow (5 + 3 \div 5 \times 5) \div (3 \div 18) \text{ of } (5)$$

$$\Rightarrow (5 + 3 \div 5 \times 5) \div (6) \text{ of } (5)$$

$$(5 + 3 \div 5 \times 5)$$

$$\Rightarrow (6)$$

$$\Rightarrow (5 + \frac{3}{5} \times 5)$$

$$\Rightarrow (6)$$

$$\Rightarrow \frac{(5 + 3) \times 6}{5}$$

$$\Rightarrow \frac{48}{5}$$

$$\Rightarrow 9\frac{3}{5}$$

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Question 52

A shopkeeper marks his goods at 40% more than their cost price and allows a discount of 25% on the marked price. His gain or loss percent is:

A 10% loss

B 15% gain

C 5% gain

D 5% loss

Answer: C

**Explanation:**

Let the cost price of the article = 100Rs.

Now, as per the question, marked price of the goods = 140

$$140 \times 75$$

Now, price of the article after 25% discount  $100 = 3 \times 35 = 105$

$$\text{Hence gain\%} = \frac{SP - CP}{CP} = \frac{(105 - 100) \times 100}{100} = 5\%$$

**Question 53**

If  $x = a + \frac{1}{a}$  and  $y = a - \frac{1}{a}$  then  $\sqrt{x^4 + y^4 - 2x^2y^2}$  is equal to:

- A  $\frac{8}{a^2}$
- B 8
- C  $16a^2$
- D 4

**Answer: D**

**Explanation:**

As per the question,

$$x = a + \frac{1}{a} \text{ and } y = a - \frac{1}{a}$$

Squaring both side,

$$x^2 = \left(a + \frac{1}{a}\right)^2 = a^2 + \left(\frac{1}{a}\right)^2 + 2$$

Similarly

$$y^2 = \left(a - \frac{1}{a}\right)^2 = a^2 + \left(\frac{1}{a}\right)^2 - 2$$

$$\text{Now, } \sqrt{x^4 + y^4 - 2x^2y^2} = \sqrt{(x^2 - y^2)^2} \text{-----(i)}$$

Substituting the values in the equation (i)

$$\sqrt{x^4 + y^4 - 2x^2y^2} = \sqrt{(x^2 - y^2)^2} = \sqrt{\left(a^2 + \left(\frac{1}{a}\right)^2 + 2 - a^2 - \left(\frac{1}{a}\right)^2 + 2\right)^2} = 4$$

**Question 54**

G is the centroid of the triangle ABC, where AB, BC and CA are 7 cm, 24 cm and 25 cm respectively, then BG is:

- A  $6\frac{1}{3}$  cm
- B  $8\frac{1}{3}$  cm
- C  $5\frac{1}{2}$  cm
- D  $4\frac{1}{6}$  cm

**Answer: B**

**Explanation:**

As per the given question,

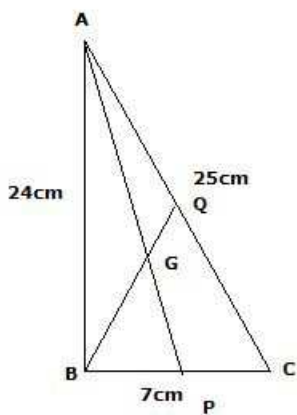
AB=7cm, BC=24cm and CA=25cm



We can see, from the pythagoras theorem  $BC^2 + BA^2 = AC^2$

$$\Rightarrow 7^2 + 24^2 = 25^2$$

Now,



Let the point B at the origin so the co-ordinate of the point B = (0,0)

The co-ordinate of the point C = (7,0)

The co-ordinate of the point A = (0, 24)

$$\text{Co-ordinates } G = \left( \frac{0+0+7}{3}, \frac{0+0+24}{3} \right) = \left( \frac{7}{3}, 8 \right)$$

$$\text{Hence the length of } BG = \sqrt{\left(\frac{7}{3}\right)^2 + (8)^2} = \sqrt{\frac{625}{9}} = \frac{25}{3}$$

Or we can write it as  $\frac{25}{3}$

## SSC CGL Previous Papers (DOWNLOAD PDF)

### Question 55

Pipes A and B can fill a tank in one hour and two hours respectively while pipe C can empty the filled up tank in one hour and fifteen minutes. A and C are turned on together at 9 a.m. After 2 hours, only A is closed and B is turned on. When will the tank be emptied?

- A 11:30 am.
- B 12:10 pm.
- C 12:20 pm.
- D 10:30 am.

**Answer:** C

#### Explanation:

As per the question,

A can fill the tank in 1 hour

B can fill the tank in 2 hour

C can empty the tank in 1 hour 15 min or  $\frac{5}{4}$  hour

$$\text{If A and C opened together, then tank will be filled in } 1 \text{ hour } 1 - \frac{1}{4} = 1 - \frac{1}{5} = \frac{4}{5}$$

As per the question, both tap is opened for 2 hours, so the tank will be filled in 2 hour = 5

Now, tap B and C are opened and A is closed, so the tap will empty in 1 hour  $5 - 2 = 10$

So tank will be completely empty in =  $\frac{10}{3}$

Hence, 5 will empty in  $5 \times \frac{10}{3} = \frac{50}{3}$

Hence tank will completely empty at  $9 : 00 + 2\text{hour} + 1\text{hour}20\text{min} = 12 : 20\text{PM}$

**Question 56**

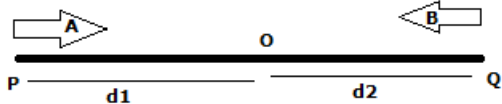
A and B are travelling towards each other from the points P and Q respectively. After crossing each other, A and B take  $6\frac{1}{8}$  hours and 8 hours, respectively, to reach their destinations Q and P, respectively. If the speed Of B is 16.8 km/h, then the speed (in km/h) Of A is:

- A 20.8
- B 19.8
- C 20.4
- D 19.2

**Answer: D**

**Explanation:**

As per the question,



Let the speed of the A is  $v$ , let both meet at O after the  $t$ .

Speed of B is = 16.8 km/hour given that B will reach to the point P after 8 hour from the point O and A will reach to the point Q after  $6\frac{1}{8}$  hour

$6 \times \frac{1}{8} = 8$  hour

So,  $d_1 = v \times t$  ----- (i)

$\Rightarrow d_2 = 16.8 \times t$  ----- (ii)

Now as per the condition given in the question,

$\Rightarrow d_1 = 16.8 \times 8$

and  $d_2 = v \times 8$  km

From the equation (i) and (ii)

$\frac{d_1}{d_2} = \frac{v \times t}{16.8 \times 8}$

Now, substituting the values of  $d_1$  and  $d_2$

$$\frac{16.8 \times 8}{49} = \frac{v \times t}{8} = 16.8 \times t$$

$$\Rightarrow v^2 = \frac{16.8 \times 8 \times 16.8 \times 8}{49}$$

$$\Rightarrow v = \sqrt{\frac{16.8 \times 8 \times 16.8 \times 8}{49}}$$

$$\Rightarrow v = 19.2 \text{ km/hour}$$

**Question 57**

A circle is inscribed in  $\triangle ABC$ , touching AB at P, BC at Q and AC at R. If AR the perimeter of  $\triangle ABC$  is:

- A 36 cm
- B 32 cm
- C 37 cm
- D 40 cm

**Answer:** A

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**Question 58**

$$\frac{\sin \theta - \cos \theta + 1}{\sin \theta + \cos \theta - 1} = ?$$

- A  $\sec \theta + \tan \theta$
- B  $\sec \theta \tan \theta$
- C  $\sec \theta - \tan \theta$
- D  $\sec \theta \sin \theta$

**Answer:** A

**Explanation:**

As per the given question,

$$\frac{\sin \theta - \cos \theta + 1}{\sin \theta + \cos \theta - 1}$$

Now taking the conjugate of the given equation,

$$\Rightarrow \frac{(\sin \theta - \cos \theta + 1)(\sin \theta + \cos \theta + 1)}{(\sin \theta + \cos \theta - 1)(\sin \theta + \cos \theta + 1)}$$

$$\Rightarrow \frac{\sin^2 \theta + \sin \theta \cos \theta + \sin \theta - \sin \theta \cos \theta - \cos^2 \theta - \cos \theta + \sin \theta + \cos \theta + 1}{\sin^2 \theta + \sin \theta \cos \theta + \sin \theta + \sin \theta \cos \theta + \cos^2 \theta + \cos \theta - \sin \theta - \cos \theta - 1}$$

Here few terms are in equal and opposite sign so they will cancel out to each other

$$\Rightarrow \frac{\sin^2 \theta + 2 \sin \theta}{2 \sin \theta \cos \theta}$$

$$\Rightarrow \frac{\sin \theta}{\cos \theta} + \frac{1}{\cos \theta}$$

$$\Rightarrow \tan \theta + \sec \theta$$

### Question 59

The table shows the production of different types of cars by a company (in thousands) in 5 years.

Car →	A	B	C	D	E
Year ↓					
2014	52	54	48	46	64
2015	47	45	53	50	45
2016	48	47	56	54	65
2017	43	50	57	67	63
2018	38	40	54	68	70

If the data related to the production of cars in 2018 is represented by pie chart, then the central angle of the sector representing the production of type C cars will be:

- A  $72^\circ$
- B  $91^\circ$
- C  $59^\circ$
- D  $93^\circ$

Answer: A

#### Explanation:

As per the given data in the question,

$$\text{Total production of the cars in 2018} = 38 + 40 + 54 + 70 + 68 = 270$$

Total production of the car of type C = 54

$$\frac{54 \times 360}{270} = \frac{54 \times 4}{3}$$

$$\text{Hence the required central angle} = 18 \times 4 = 72^\circ$$

### Question 60

ABCD is a trapezium in which  $AB \parallel DC$  and its diagonals intersect at P. If  $AP = (3x-1)$  cm,  $PC = (5x-3)$  cm,  $BP = (2x+1)$  cm and  $PD = (6x-5)$  cm, then the length of DB is:

- A 14 cm
- B 12 cm
- C 16 cm
- D 10 cm

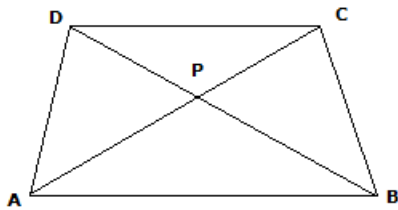
Answer: B

#### Explanation:

Given that,

ABCD is a trapezium, in which  $AB \parallel DC$  and its diagonals intersect at P.

$$AP = (3x-1) \text{ cm, } PC = (5x-3) \text{ cm, } BP = (2x+1) \text{ cm and } PD = (6x-5) \text{ cm}$$



We know that the diagonals of the trapezium is always intersect in the same ratio.

$$\text{So, } \frac{AP}{PC} = \frac{BP}{PD}$$

Now, substituting the values,

$$\frac{3x - 1}{5x - 3} = \frac{2x + 1}{6x - 5}$$

$$(3x - 1)(6x - 5) = (2x + 1)(5x - 3)$$

$$18x^2 - 15x - 6x + 5 = 10x^2 - 6x + 5x - 3$$

$$18x^2 - 21x + 5 = 10x^2 - x - 3$$

$$18x^2 - 10x^2 - 21x + x + 5 + 3$$

$$8x^2 - 20x + 8 = 0$$

$$2x^2 - 5x + 2 = 0$$

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

$$2x(x - 2) - 1(x - 2) = 0$$

$$(x - 2)(x - 1) = 0$$

$$x=1 \text{ or } x=2$$

$$\text{So, length of DB} = \text{BP} + \text{PD} = 2x + 1 + 6x - 5 = 8x - 4$$

Hence DB = 4 cm or 12 cm

## SSC CGL Tier-2 Previous Papers PDF

### Question 61

If the 8-digit number 2074x4y2 is divisible by 88, then the value of  $(4x + 3y)$  is:

- A 36
- B 42
- C 45
- D 49

**Answer:** C

### Explanation:

Given that 2074x4y2 is divisible by 88,

This will be divisible by 88 if, it is individually divisible by 11 and 8.

Divisibility by 8 - Any number is divisible by 8, if the last 3 digit of that number is divisible by 8.

$4y2$  it will be divisible by 8 if,  $y=3$  or  $y=7$

Divisibility by 11- Any number is divisible by 11 if the difference between the sum of odd place digit and sum of even place digit is divisible by 11.

$$2 + 4 + 4 + 0 - x - y - 7 - 2 = 1 - x - y$$

Now  $y=3$  then  $x=9$

if  $y=7$  then  $x=5$

Now, substituting the values in the equation,

$$\text{if } x=9 \text{ and } y=3 \text{ then } (4x + 3y) = 4 \times 9 + 3 \times 3 = 36 + 9 = 45$$

$$\text{if } x=5 \text{ and } y=7 \text{ then } (4x + 3y) = 4 \times 5 + 3 \times 7 = 20 + 21 = 41$$

### Question 62

If  $12 \cot^2 \theta - 31 \operatorname{cosec} \theta + 32 = 0, 0^\circ < \theta < 90^\circ$ , then the value of  $\tan \theta$  will be:

A  $\frac{4}{5}, \frac{4}{3}$

B  $\frac{4}{3}, \frac{3\sqrt{7}}{7}$

C  $\frac{5}{4}, \frac{4}{3}$

D  $\frac{4}{5}, \frac{5\sqrt{7}}{7}$

Answer: B

### Explanation:

As per the given question,

$$12 \cot^2 \theta - 31 \operatorname{cosec} \theta + 32 = 0, 0^\circ < \theta < 90^\circ$$

$$12(\operatorname{cosec}^2 \theta - 1) - 31 \operatorname{cosec} \theta + 32 = 0$$

$$12 \operatorname{cosec}^2 \theta - 31 \operatorname{cosec} \theta + 20 = 0$$

Let  $\operatorname{cosec} \theta = x$

$$12x^2 - 31x + 20 = 0$$

$$12x^2 - 15x - 16x + 20 = 0$$

$$3x(4x - 5) - 4(4x - 5) = 0$$

$$(4x - 5)(3x - 4) = 0$$

$$\text{So, } x = \frac{5}{4} \text{ or } x = \frac{4}{3}$$

$$\text{So, } \sin \theta = \frac{4}{5} \text{ or } \sin \theta = \frac{3}{4}$$

$$\text{Hence, } \tan \theta = \frac{4}{3} \text{ or } \tan \theta = \frac{3}{4}$$

$$\tan \theta = \frac{4}{3} \text{ or } \tan \theta = \frac{3\sqrt{7}}{7}$$

### Question 63

The income of A is 50% more than that of B. If the income of A is increased by 40% and the income of B is increased by 90%, then the percentage increase in their combined income will be:

- A 64
- B 60
- C 55
- D 70

**Answer: B**

**Explanation:**

As per the condition given in the question,

Let the income of B is =  $x$

$$150 \times x$$

So, the income of A  $100 = 1.5x$

$$140 \times (1.5x)$$

A's income increased by 40%, so new income =  $\frac{140 \times (1.5x)}{100} = 2.1x$

B's income increased by 90%, so new income =  $100 = 1.9x$

So, combined income after increase =  $1.9x + 2.1x = 4x$

And combined income before increase =  $x + 1.5x = 2.5x$

Hence, percentage of increased salary  $\frac{(4x - 2.5x) \times 100}{2.5x} = \frac{1.5x \times 100}{2.5x} = 60\%$

## SSC CGL Important Questions PDF

**Instructions**

The table shows the production of different types of cars by a company (in thousands) in 5 years.

Car →	A	B	C	D	E
Year ↓					
2014	52	54	48	46	64
2015	47	45	53	50	45
2016	48	47	56	54	65
2017	43	50	57	67	63
2018	38	40	54	68	70

**Question 64**

The average production of type D cars in 5 years is what percent less than the production of type E cars in 2018? (Correct to one decimal place)

- A 17.4
- B 15.9
- C 18.6
- D 16.8

**Answer: C**

**Explanation:**

As per the given data in the question,

The average production of type D car  $\frac{46 + 50 + 54 + 67 + 68}{5} = 57$  thousand

Production of type E car in 2018 = 70

Hence the required percentage =  $\frac{(70 - 57) \times 100}{70} = \frac{13 \times 100}{70} = 18.6\%$

#### Question 65

What is the ratio of the total production of type C cars in 2015 and type D cars in 2017 taken together to the total production of type B cars in 2016 and type A cars in 2017 taken together?

- A 4:3
- B 13:10
- C 11:9
- D 12:11

Answer: A

#### Explanation:

As per the given data in the question,

Total production of type C car in 2015=53

Total production of type D car in 2017=67

Hence total produce of the car of type C and D in the required year =  $53 + 67 = 120$

Total production of type B car in 2016 =47

Total production of type A car in 2017 =43

Hence total produce of the car of type A and B in the required year =  $47 + 43 = 90$

Hence, the required ratio =  $\frac{120}{90} = \frac{4}{3}$

#### Instructions

For the following questions answer them individually

#### Question 66

When  $x$  is subtracted from each of 21, 22, 60 and 64, the numbers so obtained, in this order, are in proportion. What is the mean proportional between  $(x + 1)$  and  $(7x + 8)$  ?

- A 24
- B 18
- C 21
- D 27

Answer: A

#### Explanation:

As per the question,

$$\frac{21 - x}{22 - x} = \frac{60 - x}{64 - x}$$

$$\Rightarrow (21 - x)(64 - x) = (22 - x)(60 - x)$$

$$\Rightarrow 21 \times 64 - 64x - 21x + x^2 = 22 \times 60 - 22x - 60x + x^2$$



$$\Rightarrow 1344 - 85x + x^2 = 1320 - 82x + x^2$$

$$\Rightarrow 85x - 82x = 1344 - 1320 = 24$$

$$\Rightarrow 3x = 24$$

$$\text{So, } x = 8$$

Now, substituting the values,

$$\Rightarrow (x + 1) = 8 + 1 = 9 \text{ and } (7x + 8) = 7 \times 8 + 8 = 64$$

$$\text{Hence, the required mean} = \sqrt{9 \times 64} = 3 \times 8 = 24$$

## 1500 + Free Must Solved SSC Questions (With Solutions)

### Question 67

The value of  $\sqrt{\sec^2 \theta + \operatorname{cosec}^2 \theta} \times \sqrt{\tan^2 \theta - \sin^2 \theta}$  is equal to:

A  $\sin \theta \sec^2 \theta$

B  $\operatorname{cosec} \theta \sec^2 \theta$

C  $\operatorname{cosec} \theta \cos^2 \theta$

D  $\sin \theta \cos^2 \theta$

**Answer:** A

#### Explanation:

As per the question,

$$\begin{aligned} & \sqrt{\sec^2 \theta + \operatorname{cosec}^2 \theta} \times \sqrt{\tan^2 \theta - \sin^2 \theta} \\ \Rightarrow & \sqrt{\frac{1}{\cos^2 \theta} + \frac{1}{\sin^2 \theta}} \times \sqrt{\frac{\sin^2 \theta}{\cos^2 \theta} - \sin^2 \theta} \end{aligned}$$

$$\Rightarrow \sqrt{\frac{\sin^2 \theta + \cos^2 \theta}{\cos^2 \theta \sin^2 \theta}} \times \sqrt{\frac{\sin^2 \theta}{\cos^2 \theta} - \sin^2 \theta}$$

We know that,  $\sin^2 \theta + \cos^2 \theta = 1$

$$\Rightarrow \sqrt{\frac{\sin^2 \theta}{\cos^2 \theta \sin^2 \theta (\cos^2 \theta)} - \frac{\sin^2 \theta}{\cos^2 \theta \sin^2 \theta}}$$

$$\Rightarrow \sqrt{\frac{1}{\cos^4 \theta} - \frac{1}{\cos^2 \theta}}$$

$$\Rightarrow \sqrt{\frac{1 - \cos^2 \theta}{\cos^4 \theta}}$$

$$\Rightarrow \sqrt{\frac{\sin^2 \theta}{\cos^4 \theta}}$$

$$\Rightarrow \sin \theta \sec^2 \theta$$

### Question 68

If  $(8x^3 - 27y^3) \div (2x - 3y) = (Ax^2 + Bxy + Cy^2)$ , then the value of  $(2A + B - C)$  is:

A 4

B 5

C 3

D 6

Answer: B

Explanation:

Given that,

$$(8x^3 - 27y^3) \div (2x - 3y) = (Ax^2 + Bxy + Cy^2)$$

But we know that,

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

$$\text{So, } (8x^3 - 27y^3) \div (2x - 3y) = \frac{(2x)^3 - (3y)^3}{2x - 3y}$$

$$\frac{(2x)^3 - (3y)^3}{2x - 3y} = \frac{(2x - 3y)((2x)^2 + (2y)^2 + 2x \times 3y)}{2x - 3y} = 4x^2 + 9y^2 + 6xy$$

$$\text{Now, } 4x^2 + 9y^2 + 6xy = Ax^2 + Cy^2 + Bxy$$

Now, comparing both side,

$$A = 4, B = 6 \text{ and } C = 9$$

Now, substituting the values in the equation,

$$(2A + B - C) = (2 \times 4 + 6 - 9) = 5$$

Question 69

If  $ab + bc + ca = 8$  and  $a^2 + b^2 + c^2 = 20$ , then possible value of  $\frac{1}{2}(a + b + c)[(a - b)^2 + (b - c)^2 + (c - a)^2]$  is:

A 80

B 72

C 56

D 84

Answer: B

Explanation:

As per the given question,

$$ab + bc + ca = 8 \text{ and } a^2 + b^2 + c^2 = 20$$

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

Now substituting the values

$$(a + b + c)^2 = 20 + 2 \times 8 = 36$$

$$(a + b + c) = \sqrt{36} = 6$$

$$\text{Now, } \frac{1}{2}(a + b + c)[(a - b)^2 + (b - c)^2 + (c - a)^2]$$

$$\Rightarrow \frac{1}{2}(a + b + c)[a^2 + b^2 - 2ab + b^2 + c^2 - 2bc + c^2 + a^2 - 2ac]$$

$$\Rightarrow \frac{1}{2}(a + b + c)[2(a^2 + b^2 + c^2) - 2(ab + bc + ac)]$$

Now substituting the values

$$\Rightarrow (a + b + c)[(a^2 + b^2 + c^2) - (ab + bc + ac)]$$

$$\Rightarrow 6[20 - 8]$$

$$\Rightarrow 6 \times 12$$

$$\Rightarrow 72$$

## General Science Notes for SSC CGL

### Question 70

The volume of a metallic cylindrical pipe is  $7480 \text{ cm}^3$ . If its length is 1.4 m and its external radius is 9 cm, then its thickness (given  $\pi = \frac{22}{7}$ ) is:

A 0.8 cm

B 1 cm

C 0.9 cm

D 1.2 cm

Answer: B

### Explanation:

As per the question,

The volume of the cylindrical pipe  $= \pi(R^2 - r^2)h$

R is the external radius of the pipe and r is the internal radius of the pipe.

$$\text{So, } 7480 = \pi(9^2 - r^2) \times 140$$

$$\Rightarrow 140 \times \pi = 9^2 - r^2$$

$$\Rightarrow r^2 = 9^2 - 17 = 64 \text{ cm}$$

$$\Rightarrow r = 8 \text{ cm}$$

Hence the thickness of the pipe  $= 9 - 8 = 1 \text{ cm}$

### Question 71

The table shows the production of different types of cars by a company (in thousands) in 5 years.

Car →	A	B	C	D	E
Year ↓					
2014	52	54	48	46	64
2015	47	45	53	50	45
2016	48	47	56	54	65
2017	43	50	57	67	63
2018	38	40	54	68	70

The total production of type B cars in all the five years is what percent more than the total production of type A, B and D cars in 2017?

A 32.2

B 57.3

C 47.5

D 49.5

Answer: C

**Explanation:**

As per the given table,

Total production of type B car in all the five years =  $54 + 45 + 47 + 50 + 40 = 236$  thousands

Total production of car of type A, B and D in 2017 =  $43 + 50 + 67 = 160$  thousands

$$\frac{236 - 160}{160} \times 100$$

Hence the required percentage =  $\frac{236 - 160}{160} \times 100 = 47.5\%$

**Question 72**

A sum of ₹15,000 is lent at 16% p.a. compound interest. What is the difference between the compound interest for the second year and the third year?

A ₹445.44

B ₹544

C ₹454.88

D ₹548

**Answer: A**

**Explanation:**

As per given question

$$A = P(1 + \frac{R}{100})^2$$

$$A_1 = 15000(1 + \frac{16}{100})^2$$

$$\text{Compound interest in the first year} = 15000(1 + \frac{16}{100}) - 15000 = 116 \times 150 = 17400$$

$$\text{So, compound interest in 2nd year} = A_1 - P = 15000(1 + \frac{16}{100})^2 - 17400 = 20184 - 17400 = 2784 \text{-----(i)}$$

Similarly

$$A_2 = 15000(1 + \frac{16}{100})^3$$

$$\text{So, compound interest in 3rd year} = A_2 - P = 15000(1 + \frac{16}{100})^3 - 20184 = 23413.44 - 20184 = 3229.44 \text{-----(ii)}$$

From the equation (i) and (ii), the required difference

$$CI_2 - CI_1 = 3229.44 - 2784 = 445.44 \text{Rs.}$$

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**Question 73**

The average of thirteen numbers is 80. The average of the first five numbers is 74.5 and that of the next five numbers is 82.5. The 11<sup>th</sup> number is 6 more than the 12<sup>th</sup> number and the 12<sup>th</sup> number is 6 less than the 13<sup>th</sup> number. What is the average of the 11<sup>th</sup> and the 13<sup>th</sup> numbers ?

A 86.5

B 87.5

C 87

D 86

Answer: C

**Explanation:**

As per the question,

$$\frac{x_1 + x_2 + x_3 + \dots + x_{13}}{13} = 80$$

$$x_1 + x_2 + x_3 + \dots + x_{13} = 80 \times 13 \text{-----(i)}$$

As per the condition given in the question, average of first 5 number

$$\frac{x_1 + x_2 + x_3 + x_4 + x_5}{5} = 74.5$$

$$x_1 + x_2 + x_3 + x_4 + x_5 = 74.5 \times 5 \text{-----(ii)}$$

Given that, average of next six number

$$\frac{x_6 + x_7 + \dots + x_{10}}{5} = 82.5$$

$$x_6 + x_7 + \dots + x_{10} = 82.5 \times 5 \text{-----(iii)}$$

Let the 12th number is x,

As per the condition given in the question,

So 11th number will be x+6 and 13th number will be x+6,

Now substitute in the equation (i)

$$x_1 + x_2 + x_3 + \dots + x_{13} = 80 \times 13$$

$$74.5 \times 5 + 82.5 \times 5 + x + x + 6 = 80 \times 13$$

$$372.5 + 412.5 + x + x + 6 = 1040$$

$$3x = 1040 - 372.5 - 412.5 - 6 = 1040 - 797 = 243$$

$$x = \frac{243}{3} = 81$$

So, 11th and 13th numbers will be  $x+6=81+6=87$

Hence the average of 11th and 13th number  $= \frac{87+87}{2} = 87$

**Question 74**

A person sold an article at a loss of Had he sold it at a gain of 10.5%. he would have received ₹92.50 more. To gain 12%, he should have sold it for:

A ₹540.50

B ₹537.40

C ₹560

D ₹580

Answer: A

**Question 75**

ABCD is a cyclic quadrilateral whose diagonals intersect at P. If AB = BC,  $\angle DBC = 70^\circ$  and  $\angle BAC = 30^\circ$ , then the measure of  $\angle PCD$  is:

A  $55^\circ$

B  $50^\circ$

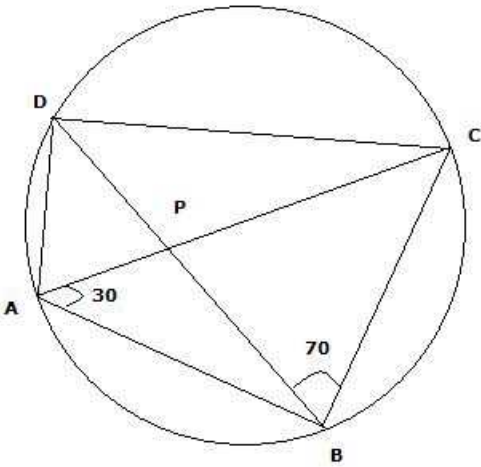
C  $30^\circ$

D  $35^\circ$

Answer: B

Explanation:

As per the given question,



From the given diagram we can see that in  $\triangle BAC$  and  $\triangle BDC$  both are on the same base and in the same circle,

So,  $\angle BAC = \angle BDC = 30^\circ$

Now, in  $\triangle BAC$ ,  $BA = BC$  (given in the question)

So,  $\angle BAC = \angle BCA = 30^\circ$

Now, in  $\triangle BDC$

$\angle DBC + \angle BDC + \angle BCD = 180^\circ$

So,  $\angle BCD = 180 - 70 - 30 = 80^\circ$

Now,  $\angle BCD = 80^\circ$

So,  $\angle PCD = 80 - \angle PCB = 80 - 30 = 50^\circ$

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### English

#### Instructions

For the following questions answer them individually

#### Question 76

Select the antonym of the given word.

AGONY

A anxiety

B misery

C distress

D comfort

Answer: D

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**Question 77**

In the sentence identify the segment which contains the grammatical error.

Cyclone Idai is regarded as one of the worst tropical cyclone on record to affect Africa and the Southern Hemisphere as a whole.

- A the worst tropical cyclone
- B Cyclone Idai is regarded
- C to affect Africa
- D as a whole

**Answer: A**

**Question 78**

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

An inscription on a tombstone written in memory of the deceased

- A epitaph
- B pillar
- C basilica
- D slab

**Answer: A**

**Question 79**

Select the correct passive form of the given sentence.

At night, lock the outer gate.

- A Let the outer gate be locked at night.
- B The outer gate is requested to be locked at night.
- C The outer gate be locked at night.
- D The outer gate is locked at night.

**Answer: A**

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**Question 80**

Select the synonym of the given word.

**TRIUMPH**

- A victory
- B attack
- C fight
- D peace

**Answer: A**

**Question 81**

Select the most appropriate word to fill in the blank.

The burning of the effigy of Ravana on Dussehra \_\_\_\_ the burning of all evils.

- A symbolizes
- B intensifies
- C epitomizes
- D personifies

**Answer: A**

**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:**

Pigeon racing has become increasingly popular in parts of China (1) \_\_\_\_ the country's elite and its middle class. Sun Yan, the deputy general-secretary of Beijing Racing Pigeons Association, (2) \_\_\_\_ that at least 100,000 pigeon breeders live in Beijing, and (3) \_\_\_\_ 90,000 of them are registered with Racing Pigeons Associations at (4) \_\_\_\_ levels, to qualify for the games held in the spring and autumn. Competitions can be lucrative for (5) \_\_\_\_ owners, with some prizes amounting to tens of thousands of dollars. Liu said in recent years, pigeon racing has been surging in popularity across China.

**Question 82**

Select the most appropriate option for blank No. 1

- A about
- B along
- C against
- D among

**Answer: D**

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**Question 83**

Select the most appropriate option for blank No. 2

- A told
- B said
- C advised
- D clarified

**Answer: B**

**Question 84**

Select the most appropriate option for blank No. 3

- A exact



B nearby

C almost

D utmost

Answer: C

Question 85

Select the most appropriate option for blank No. 4

A different

B differ

C differential

D differed

Answer: A

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Question 86

Select the most appropriate option for blank No. 5

A birds

B animal

C bird

D pigeons

Answer: C

Instructions

For the following questions answer them individually

Question 87

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

A. Mango, the so-called "king of fruits", is something of a national obsession in India.

B. There was a bumper crop of mangoes in different states.

C. It resulted in prices coming down and sales going up — much to the delight of buyers and sellers alike.

D. 2017 proved to be a very good year for mango lovers.

A ADBC

B CADB

C CDAB

D ADCB

Answer: A

Question 88

Select the antonym of the given word.

EMINENT

- A Impressive
- B exalted
- C inconspicuous
- D distinguished

Answer: C

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### Question 89

In the sentence identify the segment which contains the grammatical error.  
Every employee of the company were given a two bedroom flat as Diwali bonus.

- A a two bedroom flat
- B were given
- C Every employee
- D as Diwali bonus

Answer: B

### Question 90

Select the most appropriate meaning of the given idiom.  
pull yourself together

- A go to sleep
- B try to understand
- C calm down
- D do a good job

Answer: C

### Question 91

Select the most appropriate word to fill in the blank.

There is hope that better forestry management will help in the \_\_\_\_\_ of the wild life that is constantly facing threat because of increasing human activities.

- A conservation
- B guarding
- C salvation
- D supervision

Answer: A

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**Question 92**

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

- A. Around 600 million of them live in areas of high to extreme water stress.
- B. India is suffering from the worst water crisis, with one billion people living in water scarcity.
- C. This is even more than that of China and US combined.
- D. The reason is that at 24 per cent, India uses the most groundwater drawn out globally.

- A BDAC
- B BADC
- C ADCB
- D ACBD

**Answer: B**

**Question 93**

Select the most appropriate meaning of the given idiom.  
give someone the cold shoulder

- A ignore someone
- B pamper someone
- C do something pointless
- D give away a secret

**Answer: A**

**Question 94**

Select the word which means the same as the group of words given.  
an enclosure to keep the birds in

- A sanctuary
- B stable
- C apiary
- D aviary

**Answer: D**

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**Question 95**

Select the correct active form of the given sentence.  
Their children were brought up with great care.

- A They had brought up their children with great care.
- B They have been bringing up their children with great care.
- C They brought up their children with great care.

D Their children brought them up with great care.

Answer: C

**Question 96**

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

I try to solve this problem at least for two hours.

A tried to be solving

B am try to solve

C No improvement

D have been trying to solve

Answer: D

**Question 97**

Select the wrongly spelt word.

A controversial

B conquer

C contamporary

D cooperation

Answer: C

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**Question 98**

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

If you listen to the English news, it improve your English.

A it improved

B it will improve

C No improvement

D it is improving

Answer: B

**Question 99**

Select the wrongly spelt word.

A except

B expire

C expereince

D explain

Answer: C

Question 100

Select the synonym of the given word.

INDELIBLE

A illegible

B inerasable

C ineffective

D illegal

Answer: A

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