



## SSC CGL 4th March 2020 Shift-3

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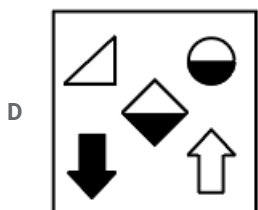
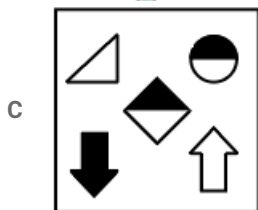
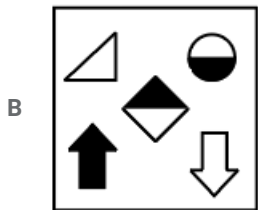
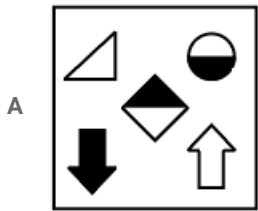
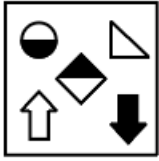
# General Intelligence and Reasoning

## Instructions

For the following questions answer them individually

### Question 1

Select the correct mirror image of the given figure when a mirror is placed on the right side of the figure.



Answer: A

### Explanation:

Option A is the mirror image of the question figure.

∴ The correct answer is option A.

## SSC CGL Free Mock Test

### Question 2

In a certain code language, 'EARTH' is coded as '8201815'. How will 'ORBIT' be coded as in that language?

A 18172372

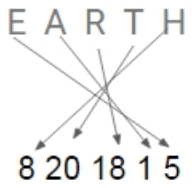
B 20921815

C 37681026

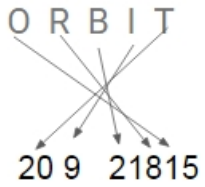
D 17113912

Answer: B

Explanation:



Similarly,



∴ The correct answer is option B.

**Question 3**

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

72 : 14 :: 87 : ? :: 96 : 54

A 56

B 52

C 29

D 15

Answer: A

Explanation:

$7 \times 2 = 14$

$9 \times 6 = 54$

Similarly,

$8 \times 7 = 56$

∴ The correct answer is option A.

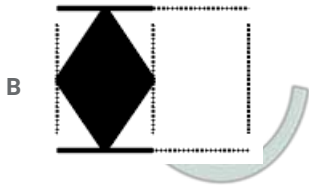
**Question 4**

Select the option that depicts how the given transparent sheet of paper would appear if it is folded at the dotted line.



A

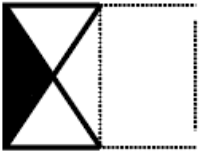




Answer: C

**Explanation:**

The sheet will be appear as,

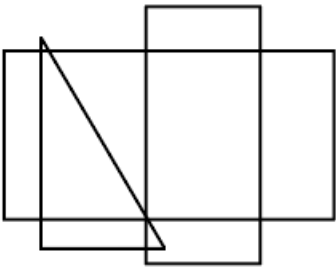


∴ The correct answer is option C.

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**Question 5**

How many rectangles are there in the given figure?



A 15

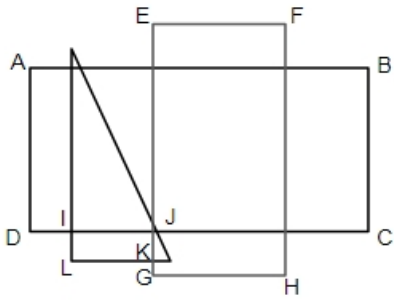
B 17

C 11

D 13

Answer: B

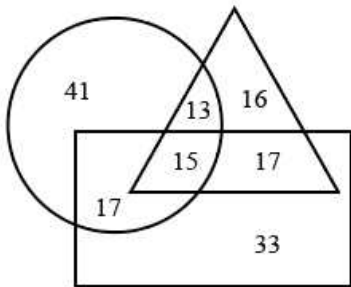
**Explanation:**



Number of rectangles in EFGH =  $1 + 2 + 3 = 6$   
 Number of rectangles in ABCD =  $1 + 2 + 3 + 4 = 10$   
 1 rectangle is IJKL.  
 So, total rectangles =  $6 + 10 + 1 = 17$   
 $\therefore$  The correct answer is option B.

**Question 6**

In the given Venn diagram, the 'rectangle' represents 'engineers', the 'circle' represents 'managers', and the 'triangle' represents 'married'. The numbers given in the diagram represent the number of persons in that particular category.



How many people are married but are NOT engineers?

- A 29
- B 16
- C 70
- D 13

Answer: A

**Explanation:**

Number of people are married but are NOT engineers =  $13 + 16 = 29$   
 $\therefore$  The correct answer is option A.

**Question 7**

In a certain code language, 'JUPITER' is written as 'JVOJSFR'. How will 'NEPTUNE' be written as in that language?

- A NDPSVME
- B NGOUTOE
- C NFOUTOE
- D NFOSTOE

Answer: C

**Explanation:**

J = J  
 U + 1 = V  
 P - 1 = O  
 I + 1 = J

T - 1 = S  
E + 1 = F  
R = R  
Similarly,  
N = N  
E + 1 = F  
P - 1 = O  
T + 1 = U  
U - 1 = T  
N + 1 = O  
E = E

'NEPTUNE' is written as 'NFOUTOE'.

∴ The correct answer is option C.

## SSC CGL Previous Papers (DOWNLOAD PDF)

### Question 8

A product was marked for sale with a label price, which is at 20% discount on the printed price. At the time of sale, the shopkeeper gave an additional 10% discount on the label price. If a customer bought the product at ₹468, then what is the printed price of the product?

- A ₹700
- B ₹650
- C ₹520
- D ₹600

**Answer: B**

#### Explanation:

Let the printed price be 100%.

Discount = 20%

Label price =  $100 - 20 = 80\%$

Additional discount = 10%

Selling price =  $100 - 10 = 90\%$  of label price =  $80 \times \frac{90}{100} = 72\%$   
 $72\% = 468$

Printed price(100%) =  $\frac{650}{72} \times 100 = 650$

### Question 9

$A + B$  means 'A is the wife of B';

$A - B$  means 'B is the daughter of A';

$A \times B$  means 'B is the brother of A';

$A \div B$  means 'A is the father of B'.

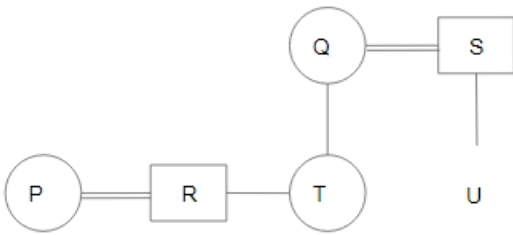
If,  $P + R \times T - Q + S \div U$ , then how is P related to the mother of U?

- A Maternal grandmother
- B Mother
- C Paternal grandmother
- D Aunt

**Answer: D**

#### Explanation:

In the diagram, Circle shows the female, square shows the male, vertical lines show the generation, single horizontal line shows the brother/sister and double horizontal lines show the couple.



From the diagram,  
Mother of 'U' is aunt of the 'P'.

#### Question 10

Arrange the following words in a logical and meaningful order (according to population).

1. Andhra Pradesh
2. Madhya Pradesh
3. Arunachal Pradesh
4. Uttar Pradesh
5. Himachal Pradesh

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

Answer: B

#### Explanation:

State According to population,

Uttar Pradesh, Madhya Pradesh, Andhra Pradesh, Himachal Pradesh, Arunachal Pradesh

∴ The correct answer is option B.

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#### Question 11

Select the option in which the words share the same relationship as that shared by the given pair of words.

Dentist : Doctor

- A Line : Circle  
B Algebra : Geometry  
C Chemistry : Science  
D Biology : Astrology

Answer: C

#### Explanation:

Dentist come under the doctor similarly,

Chemistry come under the chemistry.

∴ The correct answer is option C.

Question 12

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

$$121 + 11 - 42 \times 6 \div 7 = 83$$

A  $-$  and  $\div$

B  $+$  and  $\div$

C  $\div$  and  $\times$

D  $\times$  and  $-$

Answer: C

Explanation:

$$121 + 11 - 42 \times 6 \div 7 = 83$$

From the option C,

$$121 + 11 - 42 \div 6 \times 7 = 83$$

$$121 + 11 - 42 \div \frac{1}{6} \times 7 = 83$$

$$121 + 11 - 49 = 83$$

$$83 = 83$$

$\therefore$  The correct answer is option C.

Question 13

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



A



B



C



D



Answer: A

Explanation:



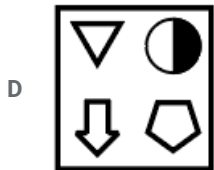
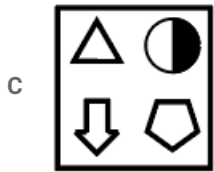
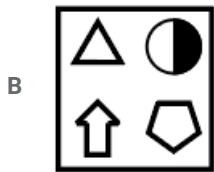
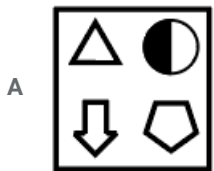
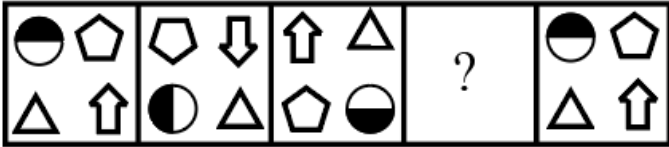


The question figure is shown by red line  
 ∴ The correct answer is option A.

## SSC CGL Tier-2 Previous Papers PDF

Question 14

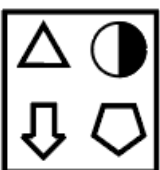
Select the figure that can replace the question mark (?) in the following series.



Answer: C

**Explanation:**

In the each figure, pentagon and arrow rotate 180° in each step and figure are also rotate 90° in anti clock direction so, Next step,



∴ The correct answer is option C.

**Question 15**

Four number-pairs have been given, out of which three are alike in some manner and one is different. Select the number-pair that is different.

- A 10 : 123
- B 17 : 290
- C 14 : 227
- D 11 : 146

**Answer: B**

**Explanation:**

In 10 : 123,

$$(10 + 1)^2 + 2 = 121 + 2 = 123$$

In 17 : 290,

$$(17 + 1)^2 + 2 = 324 - 34 = 290$$

In 14 : 227,

$$(14 + 1)^2 + 2 = 225 + 2 = 227$$

In 11 : 146,

$$(11 + 1)^2 + 2 = 144 + 2 = 146$$

∴ The correct answer is option B.

**Question 16**

Select the option in which the number set shares the same relationship as that shared by the given number set.  
(17, 24, 45)

- A (18, 23, 46)
- B (19, 26, 34)
- C (15, 20, 43)
- D (12, 19, 40)

**Answer: D**

**Explanation:**

In (17, 24, 45),

$$17 + 7 = 24 + 21 = 45$$

Similarly,

From (12, 19, 40),

$$12 + 7 = 19 + 21 = 40$$

∴ The correct answer is option D.

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Question 17

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

Statements:

All singers are dancers.

No dancer is a plumber.

Conclusions:

I. No plumber is a singer.

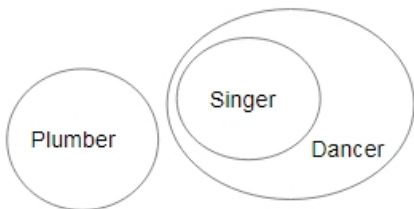
II. Some singers are plumbers.

III. Some dancers are singers.

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

Answer: C

Explanation:



From the Venn diagram,  
Only conclusions I and III follow.  
∴ The correct answer is option C.

Question 18

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

1537, 1539, 1543, ?, 1557, 1567

- A 1553
- B 1550
- C 1546
- D 1549

Answer: D

Explanation:

The series follows pattern as,

$$1537 + 2 = 1539$$

$$1539 + 4 = 1543$$

$$1543 + 6 = 1549$$

$$1549 + 8 = 1557$$

$$1567 + 10 = 1577$$

∴ The correct answer is option D.

Question 19

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

- A Hyderabad
- B Aurangabad
- C Chennai
- D Gangtok

**Answer: B**

**Explanation:**

Except option B, remaining all are capitals.

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**Question 20**

Select the letter-cluster that can replace the question mark (?) in the following series.

DAG, FCI, ?, JGM, LIO

- A GDJ
- B IFL
- C HKE
- D HEK

**Answer: D**

**Explanation:**

The series follows pattern as,

$(D + 2)(A + 2)(G + 2) = FCI$

$(F + 2)(C + 2)(I + 2) = HEK$

$(H + 2)(E + 2)(K + 2) = JGM$

$(J + 2)(G + 2)(M + 2) = LIO$

∴ The correct answer is option D.

**Question 21**

'Wheat' is related to 'Bread' in the same way as 'Sugarcane' is related to '.....!'

- A Jaggery
- B Mayonnaise
- C Grass
- D Ketchup

**Answer: A**

**Explanation:**

'Bread' made by 'Wheat' similarly,

'Jaggery' Made by 'Sugarcane'.

∴ The correct answer is option A.

**Question 22**

Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the odd letter-cluster.

- A FGL

- B ABF
- C IJN
- D MNR

Answer: A

**Explanation:**

$$F + 1 = G + 5 = L$$

$$A + 1 = B + 4 = F$$

$$I + 1 = J + 4 = N$$

$$M + 1 = N + 4 = R$$

So, option A is odd.

∴ The correct answer is option A.

## General Science Notes for SSC CGL

### Question 23

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

A, E, J, ?, W

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

Answer: B

**Explanation:**

The series follows pattern as,

$$A + 4 = E$$

$$E + 5 = J$$

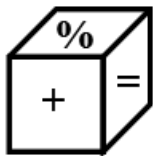
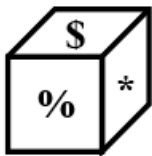
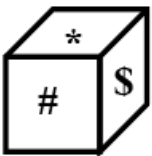
$$J + 6 = P$$

$$P + 7 = W$$

∴ The correct answer is option B.

### Question 24

Three different positions of the same dice are shown. Select the symbol that will be on the face opposite to the one showing '='.



- A \$
- B #
- C %
- D \*

Answer: A

**Explanation:**

From last 2 figures,

'%' = '%'

'\$' = '='

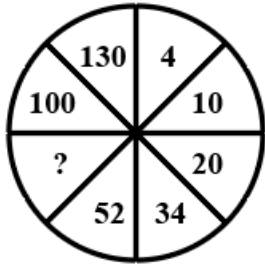
'\*' = '+'

Opposite face of '=' = '\$'

∴ The correct answer is option A.

#### Question 25

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



A 64

B 96

C 82

D 74

Answer: D

Explanation:

$$4 + 6 = 10$$

$$10 + (6 + 4 = 10) = 20$$

$$20 + (10 + 4 = 14) = 34$$

$$34 + (14 + 4 = 18) = 52$$

$$52 + (18 + 4 = 22) = 74$$

$$74 + (22 + 4 = 26) = 100$$

$$100 + (26 + 4 = 30) = 130$$

∴ The correct answer is option D.

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### General Awareness

#### Instructions

For the following questions answer them individually

#### Question 26

Four multi-storied illegal constructions - Jain Coral Cove, H2O Holy Faith, Alfa Serene and Golden Kayaloram - were razed to the ground in January 2020 following Supreme Court instructions. In which state did this happen?

A Karnataka

B Goa

C Kerala

D Tamil Nadu

Answer: C



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### Question 27

Name the company that has acquired an online travel portal Yatra Online Inc., for an enterprise value of \$337.8 million, in an all-stock transaction.

- A Make my trip.com
- B Trivago
- C Ebix Inc.
- D Trip Advisor

**Answer: C**

### Question 28

Which of the following is an INCORRECT sequence of Mughal rulers?

- A Jahangir, Shah Jahan, Aurangzeb
- B Akbar, Shah Jahan, Jahangir
- C Babur, Humayun, Akbar
- D Akbar, Jahangir, Shah Jahan

**Answer: B**

### Question 29

The recently revoked 'Article 370' is associated with which of these states of India?

- A Assam
- B Sikkim
- C Nagaland
- D Kashmir

**Answer: D**

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### Question 30

Bhavai and Kalbelia as traditional dance forms, owe their genesis to which Indian state?

- A Punjab
- B Rajasthan
- C Assam
- D Odisha

**Answer: B**

**Question 31**

Iranian Major General Qasem Soleimani was recently (2020) assassinated by the US military in \_\_\_\_\_.

- A United Arab Emirates
- B Iraq
- C Saudi Arabia
- D Pakistan

**Answer: B**

**Question 32**

Who is the only scientist in the world to have won the Nobel prize in Chemistry twice?

- A Linus Carl Pauling
- B Roger D. Kornberg
- C Madame Curie
- D Frederick Sanger

**Answer: D**

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**Question 33**

The American scientist Edwin Hubble's name is associated with which of these theories?

- A Lattice Gauge Theory
- B Quantum Chromodynamics Theory
- C Partial Coherence of Light Theory
- D The Big Bang Theory

**Answer: D**

**Question 34**

The city of Vijayawada lies on the banks of which of these rivers?

- A Mahanadi
- B Tapti
- C Krishna
- D Godavari

**Answer: C**

**Question 35**

Only one Indian batsman has scored a triple century in test cricket other than Virender Sehwag. Name this batsman.



- A Ajinkya Rahane
- B Rohit Sharma
- C Shikhar Dhawan
- D Karun Nair

**Answer: D**

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### Question 36

What is the name of the phenomena in physics and astronomy which involves the splitting of a spectral line into two or more components of slightly different frequency when the light source is placed in a magnetic field?

- A Lumen Effect
- B Alpenglow Effect
- C Zeeman Effect
- D Raman Effect

**Answer: C**

### Question 37

When does the entire earth experience equal days and nights?

- A Day of winter solstice
- B Day of summer solstice
- C At orbital plane
- D Day of equinox

**Answer: D**

### Question 38

Who among the following is the current (January 2020) Governor of Kerala?

- A Arif Mohammed Khan
- B Satya Pal Mallik
- C Lalji Tandon
- D B.D. Mishra

**Answer: A**

## SSC CHSL Previous Question papers (download pdf)

### Question 39

Name the two Indian actors who shared the National Best Actor Award (Male) in the 66th National Film Awards 2019.

- A Ayushmann Khurrana and Vicky Kaushal
- B Ranbir Kapoor and Akshay Kumar
- C Nana Patekar and Mohanlal
- D Amitabh Bachchan and Ranbir Kapoor

**Answer: A**

**Question 40**

**Former union minister and former Karnataka CM, D.V. Sadananda Gowda is a cabinet minister in the current central cabinet (February-2020). What is his portfolio?**

- A Law and Justice
- B Chemicals and Fertilizers
- C Public Distribution
- D Tribal Affairs

**Answer: B**

**Question 41**

**Who among the following is known as the 'father of Muslim renaissance' in Bengal?**

- A Sir Sayed Ahmed Khan
- B Ameer Ali
- C Nawab Abdul Latif Khan
- D Nawab Salimullah Khan

**Answer: C**

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**Question 42**

**Name the author of the 2019 released book - 'The Scent of God'.**

- A Nayantara Sehgal
- B Githa Hariharan
- C Saikat Majumdar
- D Himanjali Sankar

**Answer: C**

**Question 43**

**What is the name of the phenomena (driven by the scattering of light) in which mountain tops acquire a rosy or orange hue around sunrise and sunset?**

- A Brillouin scattering
- B Circle of confusion
- C Alpenglow
- D Barrel distortion

**Answer: C**

**Question 44**

How many members did the International Monetary Fund (IMF) have as of January 2020?

- A 164
- B 174
- C 189
- D 182

**Answer: C**

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**Question 45**

The 3rd Khelo India Youth Games 2020 is hosted by which Indian state?

- A Assam
- B Kerala
- C Karnataka
- D Punjab

**Answer: A**

**Question 46**

From which of the following states does 2019 Padma Vibhushan winner, Teejan Bai hail?

- A Chhattisgarh
- B Gujarat
- C Odisha
- D Telangana

**Answer: A**

**Question 47**

Which of these is the energy conversion that happens in the process called photosynthesis?

- A Potential energy to chemical energy
- B Light energy to chemical energy

- C Heat energy to chemical energy
- D Heat energy to light energy

Answer: B

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### Question 48

Who was the then Governor-General of British India, when 'Sati Pratha' became illegal and punishable?

- A Lord Cornwallis
- B Lord Wellesley
- C Lord William Bentinck
- D Warren Hastings

Answer: C

### Question 49

Which of the following is an Indian Research Station in the Antarctica Region?

- A Orcadas
- B Maitri
- C Hope Bay
- D Mawson

Answer: B

### Question 50

Who is the author of the delightful and anecdotal history of Indian cricket titled - 'A Corner of a Foreign Field: The Indian History of a British Sport'?

- A Sanjay Singh
- B Ramachandra Guha
- C Bipin Chandra
- D Romila Thapar

Answer: B

## SSC CGL Free Mock Test

### Quantitative Aptitude

#### Instructions

For the following questions answer them individually

Question 51

The given table represents the production of different types of motorcycles (in thousands) over a period of six years. Study the table carefully and answer the question that follows.

Year →	2013	2014	2015	2016	2017	2018
Motorcycles (type) ↓						
A	95	84	85	89	80	98
B	98	87	89	88	96	92
C	104	89	95	92	100	110
D	103	100	102	95	104	120

During 2015, the production of which type of motorcycle was more than 25% of the total production of all types of motorcycles in 2017?

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

Answer: D

Explanation:

Total production of all types of motorcycles in 2017 =  $80 + 96 + 100 + 104 = 380$

25% of the total production of all types of motorcycles in 2017 =  $380 \times \frac{25}{100} = 95$

During 2015, the production of D type of motorcycle was more than 25% of the total production of all types of motorcycles in 2017

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Question 52

The average age of a number of persons in a group was calculated as 35 years, which was 2.5 years more than the correct average as there was an error in recording the age of two persons as 38.5 years and 40 years instead of 29 years and 22 years respectively. The number of persons in the group was:

- A 11
- B 12
- C 15
- D 13

Answer: A

Explanation:

Let the number of persons be  $x$ .

Wrong average = 35

Total age for wrong average =  $35x$

Correct average =  $35 - 2.5 = 32.5$

Total age for correct average =  $32.5x$

Correct age of two persons =  $29 + 22 = 51$

Wrong age of two persons =  $38.5 + 40 = 78.5$

Difference =  $78.5 - 51$

$$35x - 32.5x = 27.5$$

$$x = 27.5/2.5 = 11$$

### Question 53

If  $\sec \theta + \tan \theta = p$ ,  $0^\circ < \theta < 90^\circ$ , then  $\frac{p^2-1}{p^2+1}$  is equal to:

- A cosec  $\theta$
- B sin  $\theta$
- C cos  $\theta$
- D 2 cosec  $\theta$

**Answer: B**

#### Explanation:

$$\sec \theta + \tan \theta = p$$

$$(\sec \theta + \tan \theta)^2 = p^2 \quad \text{---(1)}$$

$$\frac{p^2-1}{p^2+1}$$

From eq(1),

$$\begin{aligned} & (\sec \theta + \tan \theta)^2 - 1 \\ &= (\sec \theta + \tan \theta)^2 + 1 \end{aligned}$$

$$\begin{aligned} & \sec^2 \theta + \tan^2 \theta + 2 \sec \theta \tan \theta - 1 \\ &= \sec^2 \theta + \tan^2 \theta + 2 \sec \theta \tan \theta + 1 \end{aligned}$$

$$\begin{aligned} & (\sec^2 \theta - 1) + \tan^2 \theta + 2 \sec \theta \tan \theta \\ &= \sec^2 \theta + 2 \sec \theta \tan \theta + (\tan^2 \theta + 1) \end{aligned}$$

$$\begin{aligned} & 2 \tan^2 \theta + 2 \sec \theta \tan \theta \\ &= 2 \sec^2 \theta + 2 \sec \theta \tan \theta \end{aligned}$$

$$\begin{aligned} & \tan^2 \theta + \sec \theta \tan \theta \\ &= \sec^2 \theta + \sec \theta \tan \theta \end{aligned}$$

$$\begin{aligned} & \tan \theta (\tan \theta + \sec \theta) \\ &= \sec \theta (\sec \theta + \tan \theta) \end{aligned}$$

$$\begin{aligned} & \frac{\tan \theta}{\sec \theta} = \sin \theta \end{aligned}$$

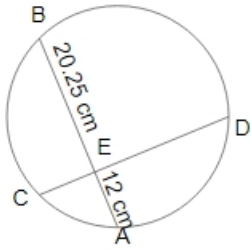
### Question 54

The chords AB and CD of a circle intersect at E. If AE = 12 cm, BE = 20.25 cm and CE = 3 DE, then the length (in cm) of CE is:

- A 27
- B 25.5
- C 18
- D 28.5

**Answer: A**

#### Explanation:



By the property,

$$AE \times EB = DE \times CE$$

$$12 \times 20.25 = DE \times 3DE$$

$$243 = 3DE^2$$

$$DE^2 = 81$$

$$DE = 9 \text{ cm}$$

$$CE = 3DE = 3 \times 9 = 27 \text{ cm}$$

## SSC CGL Previous Papers (DOWNLOAD PDF)

### Question 55

If  $x + y + z = 3$ , and  $x^2 + y^2 + z^2 = 101$ , then what is the value of  $\sqrt{x^3 + y^3 + z^3 - 3xyz}$ ?

- A 19
- B 21
- C 24
- D 28

Answer: B

#### Explanation:

$$x^3 + y^3 + z^3 - 3xyz = (x+y+z) [(x+y+z)^2 - 3(xy+yz+zx)] \text{---(1)}$$

And,

$$(x+y+z)^2 = x^2 + y^2 + z^2 + 2(xy+yz+zx)$$

On put the values,

$$3^2 = 101 + 2(xy+yz+zx)$$

$$(xy+yz+zx) = -92/2 = -46$$

From the eq(1),

$$x^3 + y^3 + z^3 - 3xyz = (3) [(3)^2 - 3(-46)] = 3 \times 147 = 441$$

$$\sqrt{x^3 + y^3 + z^3 - 3xyz} = \sqrt{441} = 21$$

### Question 56

If  $12x^2 - 21x + 1 = 0$ , then what is the value of  $9x^2 + (16x^2)^{-1}$ ?

- A  $\frac{429}{8}$
- B  $\frac{465}{16}$
- C  $\frac{417}{16}$

D  $\frac{453}{8}$

Answer: C

Explanation:

$$12x^2 - 21x + 1 = 0$$

Divide by 4x,

$$3x - \frac{21}{4} + \frac{1}{4x} = 0$$

$$3x + \frac{1}{4x} = \frac{21}{4}$$

On taking square,

$$\left(3x + \frac{1}{4x}\right)^2 = \left(\frac{21}{4}\right)^2$$

$$9x^2 + \frac{1}{16x^2} + 2 \cdot 3x \cdot \frac{1}{4x} = \frac{441}{16}$$

$$9x^2 + \frac{1}{16x^2} = \frac{441}{16} - \frac{3}{2}$$

$$9x^2 + \frac{1}{16x^2} = \frac{417}{16}$$

Question 57

A sum of ₹ x was divided between A, B, C and D in the ratio  $\frac{1}{3} : \frac{1}{5} : \frac{1}{6} : \frac{1}{9}$ . If the difference between the shares of B and D is ₹832, then the value of x is:

A ₹7,592

B ₹7,384

C ₹7,696

D ₹7,488

Answer: A

Explanation:

$$\text{Ratio of A, B, C and D} = \frac{1}{3} : \frac{1}{5} : \frac{1}{6} : \frac{1}{9} = 30 : 18 : 15 : 10$$

Let the share of A, B, C and D be 30p, 18p, 15p and 10p.

The difference between the shares of B and D = 832

$$18p - 10p = 832$$

$$p = 832/8 = 104$$

$$x = 30p + 18p + 15p + 10p = 73p$$

$$x = 73 \times 104 = \text{Rs.}7592$$

25 SSC CHSL Mocks for just Rs. 149

Question 58

The area of a field in the shape of a regular hexagon is  $2400\sqrt{3}m^2$ . The cost of fencing the field at ₹16.80/metre is:

A ₹4,536

B ₹3,024

C ₹4,032

D ₹3,528

Answer: C



**Explanation:**

$$\text{Area of a hexagon} = \frac{3\sqrt{3}a^2}{2}$$

a = side

$$2400\sqrt{3} = \frac{3\sqrt{3}a^2}{2}$$

$$a^2 = 1600$$

$$a = 40 \text{ m}$$

$$\text{Perimeter} = 6a = 6 \times 40 = 240 \text{ m}$$

$$\text{The cost of fencing the field} = 240 \times 16.8 = \text{Rs.}4032$$

**Question 59**

Places A and B are 144 km apart. Two cars start simultaneously, one from A and the other from B. If they move in the same direction, they meet after 12 hours, but if they move towards each other they meet after  $\frac{9}{8}$  hours. The speed (in km/h) of the car moving at a faster speed, is:

- A 70
- B 72
- C 60
- D 64

**Answer: A**

**Explanation:**

Speed of faster car =  $v_1$

Speed of slower car =  $v_2$

Case I: Cars travel in same direction

144 km distance covered in 12 hours so,

Relative speed =  $v_1 - v_2$

$$v_1 - v_2 = 144/12 = 12 \text{ ---(1)}$$

Case II: Cars in opposite direction

144 km distance covered in  $\frac{9}{8}$  hours so,

Relative speed =  $v_1 + v_2$

$$v_1 + v_2 = \frac{144}{\frac{9}{8}} = 128 \text{ ---(2)}$$

From eq(1) and (2),

$$2v_1 = 12 + 128$$

$$v_1 = 140/2 = 70 \text{ km/hr}$$

∴ The speed of faster car is 70 km/hr.

**Question 60**

A, B and C donate 8%, 7% and 9% of their salaries, respectively to a charitable trust. The salaries of A and B are same and the difference between their donations is ₹259. The total donation of A and B is ₹1,185 more than that of C. The total donation of A and C is what percentage of the total salaries of A, B and C? (Correct to one decimal place)

- A 6.2%
- B 5.8%

C 6.4%

D 7.1%

**Answer: B**

**Explanation:**

Let the salaries of A, B and C be  $x$ ,  $x$ ,  $y$ .

Donation of A, B and C =  $0.08x$ ,  $0.07x$  and  $0.09z$

Difference between donations of A and B = 259

$$0.08x - 0.07x = 259$$

$$x = 259/0.01 = 25900$$

Total donation of A and B = donation of A + 1185

$$0.08x + 0.07x = 0.09z + 1185$$

$$0.15x = 0.09z + 1185$$

$$0.09z = 0.15 \times 25900 - 1185 = 2700$$

$$z = 2700/0.09 = 30000$$

Total donation of A and C =  $0.08x + 0.09z$

$$= 0.08 \times 25900 + 2700 = 2072 + 2700 = 4772$$

Total salaries of A, B and C =  $25900 + 25900 + 30000 = 81800$

Required percentage =  $\frac{4772}{81800} \times 100 = 5.8\%$

## SSC CGL Tier-2 Previous Papers PDF

**Question 61**

Four men and 6 women can complete a certain piece of work in 5 days whereas three men and 4 women can complete it in 7 days.

How many men should assist 25 women to complete  $2\frac{1}{2}$  times the same work in 5 days?

A 8

B 10

C 4

D 5

**Answer: D**

**Explanation:**

Total work = number of (man\woman)  $\times$  time

Four men and 6 women can complete a certain piece of work in 5 days whereas three men and 4 women can complete it in 7 days so,

$$(4m + 6w) \times 5 = (3m + 4w) \times 7$$

$$20m + 30w = 21m + 28w$$

$$m = 2w$$

Now,

Work =  $2\frac{1}{2}$  times the same work

Work =  $\frac{5}{2} \times$  same work

$$(m/w) \times 5 = \frac{5}{2} \times (4m + 6w) \times 5$$

$$w \times 5 = \frac{5}{2} \times (4 \times 2w + 6w) \times 5$$

$$w \times 5 = \frac{5}{2} \times 14w \times 5$$

$$w = 35 \text{ women}$$

$$\text{So need for worker} = 25w + 10w$$

$$\text{Number of man} = 10 \times m/2 = 5 \text{ man}$$

### Question 62

In  $\triangle ABC$ ,  $\angle B = 72^\circ$  and  $\angle C = 44^\circ$ . Side  $BC$  is produced to  $D$ . The bisectors of  $\angle B$  and  $\angle ACD$  meet at  $E$ . What is the measure of  $\angle BEC$ ?

A  $58^\circ$

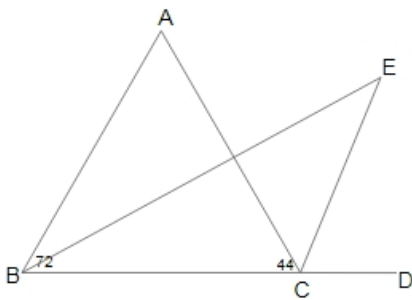
B  $46^\circ$

C  $32^\circ$

D  $36^\circ$

Answer: C

Explanation:



$$\begin{aligned} \text{In } \triangle ABC, \\ \angle A + \angle B + \angle C &= 180^\circ \\ \angle A &= 180 - 72 - 44 = 64^\circ \end{aligned}$$

By angle bisector property,

$$\begin{aligned} \angle BEC &= \frac{\angle A}{2} \\ \angle BEC &= \frac{64^\circ}{2} = 32^\circ \end{aligned}$$

### Question 63

In  $\triangle ABC$ ,  $AC = 8.4 \text{ cm}$  and  $BC = 14 \text{ cm}$ .  $P$  is a point on  $AB$  such that  $CP = 11.2 \text{ cm}$  and  $\angle ACP = \angle B$ . What is the length (in cm) of  $BP$ ?

A 4.12

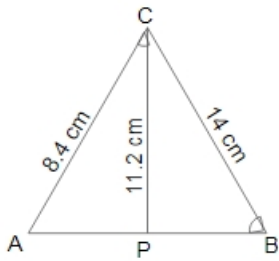
B 2.8

C 3.78

D 3.6

Answer: C

Explanation:



$\triangle ACP \sim \triangle ABC$

( $\because \angle A$  is common and  $\angle ACP = \angle B$ )

$$\frac{AB}{AC} = \frac{BC}{CP} = \frac{AC}{AP}$$

From first two,

$$\frac{AB}{AC} = \frac{BC}{CP}$$

$$\frac{AB}{8.4} = \frac{14}{11.2}$$

$$AB = 10.5$$

From last two,

$$\frac{BC}{CP} = \frac{AC}{AP}$$

$$\frac{14}{11.2} = \frac{8.4}{AP}$$

$$AP = 6.72 \text{ cm}$$

$$BP = AB - AP = 10.5 - 6.72 = 3.78 \text{ cm}$$

## SSC CGL Important Questions PDF

### Question 64

If  $2x^2 + y^2 + 8z^2 - 2\sqrt{2}xy + 4\sqrt{2}yz - 8zx = (Ax + y + Bz)^2$ , then the value of  $(A^2 + B^2 - AB)$  is:

A 16

B 14

C 6

D 18

Answer: C

Explanation:

$$2x^2 + y^2 + 8z^2 - 2\sqrt{2}xy + 4\sqrt{2}yz - 8zx = (Ax + y + Bz)^2$$

$$= 2x^2 + y^2 + 8z^2 + 2(-\sqrt{2}xy - 2\sqrt{2}yz + 4zx) = (Ax + y + Bz)^2,$$

$$= 2x^2 + y^2 + 8z^2 + 2(-\sqrt{2}x \cdot y - y \cdot 2\sqrt{2}z + \sqrt{2}x \cdot 2\sqrt{2}z) = (Ax + y + Bz)^2$$

$$= (+\sqrt{2}x - y + 2\sqrt{2}z)^2 = (Ax + y + Bz)^2$$

$$Ax = \sqrt{2}x$$

$$A = \sqrt{2}$$

$$y = -y$$

$$B = 2\sqrt{2}$$

Now,

$$(A^2 + B^2 - AB)$$

$$((\sqrt{2})^2 + (2\sqrt{2})^2 - \sqrt{2} \cdot 2\sqrt{2})$$

$$= 2 + 8 - 4 = 6$$

**Question 65**

How many numbers are there from 200 to 800 which are neither divisible by 5 nor by 7?

A 407

B 410

C 413

D 411

**Answer: D**

**Explanation:**

$$\text{Total numbers} = (800 - 200) + 1 = 601$$

Number of terms which divide by 5

$$l = 800$$

$$a = 200$$

$$\text{Common difference}(d) = 5$$

$$l = a + (n-1)d$$

$$800 = 200 + (n - 1)5$$

$$n-1 = 120$$

$$n = 121$$

Number of terms which divide by 7

$$l = 798$$

$$a = 203$$

$$\text{Common difference}(d) = 7$$

$$l = a + (n-1)d$$

$$798 = 203 + (n - 1)7$$

$$n-1 = 85$$

$$n = 86$$

Number of terms which divide by 5 and 7

$$l = 770$$

$$a = 210$$

$$\text{Common difference}(d) = 35$$

$$l = a + (n-1)d$$

$$770 = 210 + (n - 1)35$$

$$n-1 = 16$$

$$n = 17$$

Number of terms which divide by either 5 or 7 =  $121 + 86 - 17 = 190$

Number of terms which divide by neither 5 nor 7 =  $601 - 190 = 411$

**Question 66**

The value of  $\frac{8 \div [(8-3) \div \{(4 \div 4 \text{ of } 8) + 4 - 4 \times 4 \div 8\} - 2]}{8 \times 8 \div 4 - 8 \div 8 \text{ of } 2 - 7}$  is:

- A  $\frac{17}{8}$   
 B  $\frac{8}{3}$   
 C  $\frac{16}{170}$   
 D  $\frac{2}{17}$

Answer: B

Explanation:

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

$$8 \times 8 \div 4 - 8 \div 8 \text{ of } 2 - 7$$

$$8 \div [(8-3) \div \{(4 \div 32) + 4 - 4 \times 4 \div 8\} - 2]$$

$$8 \times 8 \div 4 - 8 \div 16 - 7$$

$$8 \div [5 \div \left\{ \frac{1}{8} + 4 - 4 \times \frac{1}{2} \right\} - 2]$$

$$8 \times 2 - \frac{1}{2} - 7$$

$$8 \div [5 \div \left\{ \frac{1}{8} + 4 - 2 \right\} - 2]$$

$$16 - \frac{1}{2} - 7$$

$$8 \div [5 \div \frac{17}{8} - 2]$$

$$\frac{8}{2}$$

$$8 \div [5 \times \frac{8}{17} - 2]$$

$$8 \div [\frac{40}{17} - 2]$$

$$8 \div \frac{6}{17}$$

$$\frac{8}{2}$$

$$8 \times \frac{17}{6}$$

$$\frac{8}{2}$$

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

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

### Instructions

The given table represents the production of different types of motorcycles (in thousands) over a period of six years. Study the table carefully and answer the question that follows.

Year →						
Motorcycles (type) ↓	2013	2014	2015	2016	2017	2018
A	95	84	85	89	80	98
B	98	87	89	88	96	92
C	104	89	95	92	100	110
D	103	100	102	95	104	120

### Question 67

What is the percentage increase in the total production of all types of motorcycles from 2014 to 2018?

- A  $14\frac{3}{7}$   
 B  $17\frac{1}{3}$   
 C  $16\frac{2}{3}$

D  $14\frac{2}{7}$

Answer: C

Explanation:

Total production of all types of motorcycles in 2014 =  $84 + 87 + 89 + 100 = 360$

Total production of all types of motorcycles in 2018 =  $98 + 92 + 110 + 120 = 420$

$$\text{Percentage increment} = \frac{420 - 360}{360} \times 100 = \frac{60}{360} \times 100 = 16\frac{2}{3}$$

Question 68

By what percentage is the total production of type A motorcycles over six years, less than the total production of all types of motorcycles in 2013 and 2016?

A 32.2

B 32.8

C 31.6

D 30.5

Answer: D

Explanation:

Total production of type A motorcycles over six years =  $95 + 84 + 85 + 89 + 80 + 98 = 531$

total production of all types of motorcycles in 2013 and 2016 =  $95 + 98 + 104 + 103 + 89 + 88 + 92 + 95 = 764$

$$\text{Required percentage} = \frac{764 - 531}{764} \times 100 = \frac{233}{764} \times 100 = 30.5\%$$

Instructions

For the following questions answer them individually

Question 69

Two circles of radii 7 cm and 5 cm intersect each other at A and B, and the distance between their centres is 10 cm. The length (in cm) of the common chord AB is:

A  $\frac{3\sqrt{66}}{5}$

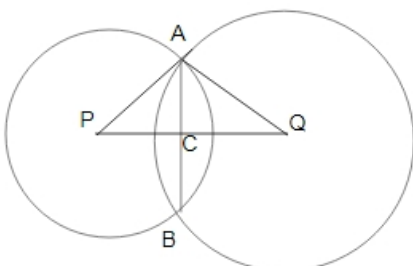
B  $\frac{4\sqrt{66}}{5}$

C  $\frac{2\sqrt{74}}{5}$

D  $\frac{3\sqrt{74}}{5}$

Answer: B

Explanation:



AP = 5 cm

$$AQ = 7 \text{ cm}$$

$$PQ = 10 \text{ cm}$$

Let the CQ be  $x$ . So,

$$PC = 10 - x \text{ cm}$$

$\triangle ACQ$  is right angle triangle so,

$$(AQ)^2 = (AC)^2 + (CQ)^2$$

$$(7)^2 = (AC)^2 + (x)^2$$

$$(AC)^2 = 49 - (x)^2 \text{---(1)}$$

$\triangle APC$  is right angle triangle so,

$$(AP)^2 = (AC)^2 + (PC)^2$$

$$(5)^2 = (AC)^2 + (10 - x)^2$$

$$(AC)^2 = 25 - (10 - x)^2 \text{---(2)}$$

From eq(1) and (2),

$$49 - (x)^2 = 25 - (10 - x)^2$$

$$24 - (x)^2 = -(10 - x)^2$$

$$(x)^2 = 24 + 100 + x^2 - 20x$$

$$20x = 124$$

$$x = 124/20 = 6.2 \text{ cm}$$

From eq(1),

$$(AC)^2 = 49 - (6.2)^2$$

$$(AC)^2 = 49 - 38.44$$

$$\$(AC)^2 = 10.56 = 1056/100 = 264/25\$\$$$

$$AC = \frac{2\sqrt{66}}{5}$$

$$\text{The common chord } AB = 2 \times \frac{2\sqrt{66}}{5} = \frac{4\sqrt{66}}{5}$$

## General Science Notes for SSC CGL

### Question 70

If the selling price of an article is 8% more than the cost price and the discount offered is 10% on the marked price of the article, then what is the ratio of the cost price to the marked price?

A 5 : 6

B 8 : 9

C 3 : 4

D 4 : 5

**Answer: A**

**Explanation:**

Profit = 8%

Let the cost price be Rs. 100.

Selling price = 108

Discount on marked price = 10% so,



selling price =  $100 - 10 = 90\%$

$90\% = 108$

Marked price  $(100\%) = \frac{108}{90} \times = \text{Rs.}120$

Ratio of the cost price to the marked price =  $100 : 120 = 5 : 6$

### Question 71

The given table represents the production of different types of motorcycles (in thousands) over a period of six years. Study the table carefully and answer the question that follows.

Year →						
Motorcycles (type) ↓	2013	2014	2015	2016	2017	2018
A	95	84	85	89	80	98
B	98	87	89	88	96	92
C	104	89	95	92	100	110
D	103	100	102	95	104	120

What is the ratio of the total number of motorcycles of type B produced in 2016 and 2018 to the total number of motorcycles of type D produced in 2013, 2015 and 2016?

A 1 : 2

B 3 : 4

C 3 : 5

D 2 : 3

Answer: C

Explanation:

Total number of motorcycles of type B produced in 2016 and 2018 =  $88 + 92 = 180$

Total number of motorcycles of type D produced in 2013, 2015 and 2016 =  $103 + 102 + 95 = 300$

Ratio of the total number of motorcycles of type B produced in 2016 and 2018 to the total number of motorcycles of type D produced in 2013, 2015 and 2016 =  $180 : 300 = 3 : 5$

### Question 72

A sum of ₹8,000 invested at 10% p.a. amounts to ₹9,261 in a certain time, interest compounded half-yearly. What will be the compound interest (in ₹) on the same sum for the same time at double the earlier rate of interest, when interest is compounded annually?

A ₹2,520

B ₹2,480

C ₹2,560

D ₹2,500

Answer: C

Explanation:

for half yearly,

rate  $(r) = 10/2 = 5$

$p = 8000$

Amount = 9261

Amount =  $p(1 + \frac{r}{100})^t$

$$9261 = 8000\left(1 + \frac{r}{100}\right)^t$$

$$\frac{9261}{8000} = \left(\frac{105}{100}\right)^t$$

$$\left(\frac{21}{20}\right)^3 = \left(\frac{21}{20}\right)^t$$

$$t = 3 \text{ years}$$

$$\text{Time} = 3/2 \text{ years}$$

Now,

$$r1 = 2r = 2 \times 10 = 20$$

$$\text{Compound interest} = p\left(1 + \frac{r}{100}\right)^t - p$$

$$= 8000\left(1 + \frac{20}{100}\right)^{3/2} - 8000$$

$$= 8000 \times \frac{6}{5} \times \sqrt{\frac{6}{5}} - 8000$$

$$= 10560 - 8000 = \text{Rs.}2560$$

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

### Question 73

A sells an article to B at a loss of 20%, B sells it to C at a profit of 12.5% and sells it to D at a loss of 8%. If D buys it for ₹248.40, then what is the difference between the loss incurred by A and C?

A ₹36.80

B ₹38.40

C ₹42.60

D ₹39.20

Answer: B

Explanation:

Cost price for D = 248.40

Loss for C = 8%

$$\text{Cost price for C} = 248.40 \times \frac{100}{92} = 270$$

$$\text{Loss of C} = 270 - 248.4 = 21.6$$

Selling price for B = Rs. 270

Profit = 12.5%

$$\text{Cost price for B} = 270 \times \frac{100}{112.5} = 240$$

Selling price for A = Rs.240

Loss = 20%

$$\text{Cost price for A} = 240 \times \frac{100}{80} = 300$$

$$\text{Loss for A} = 300 - 240 = 60$$

$$\text{Difference between the loss incurred by A and C} = 60 - 21.6 = \text{Rs. } 38.4$$

### Question 74

If  $7 \cos^2 \theta + 3 \sin^2 \theta = 6$ ,  $0^\circ < \theta < 90^\circ$ , then the value of  $\frac{\cot^2 2\theta + \sec^2 2\theta}{\tan^2 2\theta - \sin^2 2\theta}$  is:

- A  $\frac{52}{27}$   
 B  $\frac{26}{15}$   
 C  $\frac{28}{27}$   
 D  $\frac{49}{45}$

**Answer: A**

**Explanation:**

$$7 \cos^2 \theta + 3 \sin^2 \theta = 6$$

$$7(1 - \sin^2 \theta) + 3 \sin^2 \theta = 6$$

$$7 - 7 \sin^2 \theta + 3 \sin^2 \theta = 6$$

$$4 \sin^2 \theta = 1$$

$$\sin \theta = 1/2$$

(For  $0^\circ < \theta < 90^\circ$ .)

$$\theta = 30^\circ$$

$$\frac{\cot^2 2\theta + \sec^2 2\theta}{\tan^2 2\theta - \sin^2 2\theta}$$

$$\frac{\cot^2 2 \times 30^\circ + \sec^2 2 \times 30^\circ}{\tan^2 2 \times 30^\circ - \sin^2 2 \times 30^\circ}$$

$$\frac{\cot^2 60^\circ + \sec^2 60^\circ}{\tan^2 60^\circ - \sin^2 60^\circ}$$

$$\frac{(\frac{1}{\sqrt{3}})^2 + 2^2}{(\sqrt{3})^2 - (\frac{\sqrt{3}}{2})^2}$$

$$\frac{\frac{1}{3} + 4}{3 - \frac{3}{4}}$$

$$\frac{\frac{13}{3}}{\frac{9}{4}} = 52/27$$

**Question 75**

The value of  $\frac{(\cos 9^\circ + \sin 81^\circ)(\sec 9^\circ + \operatorname{cosec} 81^\circ)}{2 \sin^2 63^\circ + 1 + 2 \sin^2 27^\circ}$  is:

- A  $\frac{1}{2}$   
 B  $\frac{4}{3}$   
 C 2  
 D 1

**Answer: B**

**Explanation:**

$$\frac{(\cos 9^\circ + \sin 81^\circ)(\sec 9^\circ + \operatorname{cosec} 81^\circ)}{2 \sin^2 63^\circ + 1 + 2 \sin^2 27^\circ}$$

$$= \frac{(\cos(90-81) + \sin 81^\circ)(\sec(90-81) + \operatorname{cosec} 81^\circ)}{2 \sin^2 63^\circ + 1 + 2 \sin^2(90-63)}$$

$$= \frac{(\sin 81^\circ + \sin 81^\circ)(\operatorname{cosec} 81^\circ + \operatorname{cosec} 81^\circ)}{2 \sin^2 63^\circ + 1 + 2 \cos^2 63^\circ}$$

$$= \frac{(2 \sin 81^\circ)(2 \operatorname{cosec} 81^\circ)}{2+1} = \frac{4}{3}$$

## SSC Exam Free Videos (Youtube)

### English Comprehension

#### Instructions

For the following questions answer them individually

#### Question 76

Select the most appropriate option to fill in the blank.

Being a millionaire, he is leading a \_\_\_\_\_ life.

- A expensive
- B conducive
- C destitute
- D luxurious

Answer: D

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#### Question 77

Select the most appropriate ANTONYM of the given word.

Sparse

- A Costly
- B Tranquil
- C Scanty
- D Abundant

Answer: D

#### Question 78

Select the correct passive form of the given sentence.

Did the problems you had to face discourage you?

- A Are you being discouraged by the problems you had to face?
- B Have you been discouraged by the problems you have to face?
- C Are you discouraged by the problems you had to face?
- D Were you discouraged by the problems you had to face?

Answer: D

#### Question 79

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

One who is preoccupied with his own interests

- A Egoist

- B Pessimist
- C Atheist
- D Optimist

Answer: A

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### Question 80

Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.

- A. Upon returning from his travels, he was forced to live in a house where his large family lived.
- B. Vaikom Muhammad Basheer was a Malayalam fiction writer from Vaikom in Kerala.
- C. The household was always noisy and full of chaos, no place for a writer surely!
- D. Apart from family members, myriads of domestic animals also treated the house as their own.

- A BCAD
- B BCDA
- C BADC
- D BDCA

Answer: C

### Question 81

Select the INCORRECTLY spelt word.

- A Ignorance
- B Influence
- C Itinerent
- D Impeach

Answer: C

### Instructions

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

#### Comprehension:

Milton Hershey returned to the village where he had been born, in the heart of dairy country. He opened his chocolate manufacturing plant (1)\_\_\_\_\_ 1905. With access to all the fresh milk he (2)\_\_\_\_\_, he began producing the finest milk chocolate. The plant (3)\_\_\_\_\_ opened in a small Pennsylvania village is today the (4)\_\_\_\_\_ chocolate factory in the world. The confections created here are (5)\_\_\_\_\_ around the world.

### Question 82

Select the most appropriate option to fill in blank 1.

- A to
- B at
- C in

D on

Answer: C

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Question 83

Select the most appropriate option to fill in blank 2.

A considered

B kneaded

C distributed

D needed

Answer: D

Question 84

Select the most appropriate option to fill in blank 3.

A that

B when

C who

D what

Answer: A

Question 85

Select the most appropriate option to fill in blank 4.

A large

B most largest

C largest

D larger

Answer: C

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Question 86

Select the most appropriate option to fill in blank 5.

A choices

B favourites

C collections

D selections

**Answer: B**

**Instructions**

For the following questions answer them individually

**Question 87**

Select the most appropriate option to fill in the blank.

Children under five years are \_\_\_\_\_ from passport biometrics.

A acquitted

B exempted

C escaped

D allowed

**Answer: B**

**Question 88**

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

A geometrical figure with eight sides

A Octagon

B Pentagon

C Hexagon

D Heptagon

**Answer: A**

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**Question 89**

Select the most appropriate meaning of the given idiom.

Bring to light

A Reveal clearly

B Cheer someone

C Praise in public

D Brighten up

**Answer: A**

**Question 90**

Select the most appropriate synonym of the given word.

Fury

A Sin

B Risk

C Anger

D Crime

Answer: C

**Question 91**

Select the most appropriate meaning of the given idiom.

**Hold water**

A To be fickle

B To be busy

C To be valid

D To be deep

Answer: C

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**Instructions**

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

**Question 92**

Your advice will benefit to me.

A benefit from me

B benefit me

C No substitution

D benefit for me

Answer: B

**Question 93**

Where you left your bag yesterday?

A No substitution

B Where did you left

C Where were you leaving

D Where did you leave

Answer: D

**Instructions**

For the following questions answer them individually



**Question 94**

Select the most appropriate **ANTONYM** of the given word.

**Friendship**

- A Enmity
- B Amity
- C Slavery
- D Arrogance

**Answer: A**

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**Question 95**

Select the correct indirect form of the given sentence.

The lawyer said to me, "There is no proof of your involvement in this case."

- A The lawyer told that there is no proof of my involvement in that case.
- B The lawyer told me that there was no proof of my involvement in that case.
- C The lawyer told me that there is no proof of your involvement in this case.
- D The lawyer said me that there was no proof of my involvement in this case.

**Answer: B**

**Instructions**

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

**Question 96**

I am believing you have submitted all the necessary documents.

- A I am believing
- B necessary documents
- C you have submitted
- D all the

**Answer: A**

**Question 97**

No sooner did we receive your message when we heaved a sigh of relief.

- A did we receive
- B a sigh of relief
- C your message
- D when we heaved

**Answer: D**

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### Instructions

For the following questions answer them individually

### Question 98

Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.

- A. Even the most ill-equipped laboratory would have been better than their shed.
- B. Thus, they did not allow any difficulties to come in their way.
- C. But their mind was set upon the discovery of radium.
- D. The Curies had to work in extreme poverty.

- A DACB
- B ABCD
- C ADBC
- D DBCA

Answer: A

### Question 99

Select the most appropriate synonym of the given word.

Solitary

- A Singular
- B Stubborn
- C Splendid
- D Sensible

Answer: A

### Question 100

Select the INCORRECTLY spelt word.

- A Diliver
- B Denial
- C Decision
- D Deter

Answer: A

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