



## SSC CHSL 17th March 2020 Shift-2

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## English Language (Basic Knowledge)

### Instructions

For the following questions answer them individually

### Question 1

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

- A. From the outer entrance itself he had noticed that there was no one inside.
- B. It was quite dark by the time Raman turned into the lane and reached the temple.
- C. On entering the main temple, he prostrated before the goddess, got up and then sat directly in front of the idol.
- D. However, an oil lamp which was burning before the idol of Kaali Ma lit up the place and he could go up the steps.

A ABDC

B CABD

C BADC

D DBCA

Answer: C

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### Question 2

Select the most appropriate antonym of the given word.

**MEDDLE (v)**

A Ignore

B Prize

C Fortify

D Support

Answer: A

### Question 3

Select the option that is the passive form of the sentence.

**We have chosen the colour of the new car we want to buy.**

A The colour of the new car we want to buy is being chosen by us.

B The colour of the new car we want to buy had been chosen.

C The colour of the new car we want to buy can be chosen by us.

D The colour of the new car we want to buy has been chosen by us.

Answer: D

### Question 4

Select the most appropriate option to fill in the blank.

The strong Indian batting line-up will \_\_\_\_\_ a big worry for the visiting cricket team.

A pose

- B pick
- C place
- D put

Answer: A

## SSC CHSL Free Mock Test

### 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.

The flight was packed. There were (1)\_\_\_\_\_ parents with small children. Specifically, a three-year-old boy (2)\_\_\_\_\_ the row in front of me (3)\_\_\_\_\_ announcing his presence by letting (4)\_\_\_\_\_ ear-piercing shrieks every 45 seconds. I settled (5)\_\_\_\_\_, hoping the kid would calm down.

### Question 5

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

- A most
- B all
- C several
- D any

Answer: C

### Question 6

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

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

Answer: A

### Question 7

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

- A are
- B had
- C were
- D was

Answer: D

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**Question 8**

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

- A across
- B leave
- C loose
- D away

**Answer: C**

**Question 9**

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

- A out
- B down
- C up
- D on

**Answer: B**

**Instructions**

For the following questions answer them individually

**Question 10**

Select the segment in the sentence, which contains a grammatical error.

This furnitures has been taken on hire for the function in the college.

- A on hire for the function
- B been taken
- C in the college
- D This furnitures has

**Answer: D**

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**Question 11**

Select the alternative that will improve the underlined part of the sentence. In case there is no improvement select 'No improvement'.

I have prepared well for the exam and am ready to answer any question.

- A preparing
- B No improvement
- C will prepared
- D may prepare

**Answer: B**

**Question 12**

Select the most appropriate synonym of the given word.

**COVE**

- A Hollow
- B Pit
- C Crater
- D Bay

**Answer: D**

**Question 13**

Select the word with the correct spelling.

- A Contemptuous
- B Aggresive
- C Biscits
- D Insekts

**Answer: A**

**SSC CGL Free Mock Test (Latest Pattern)**

**Question 14**

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

**Government by a king or a queen**

- A Aristocracy
- B Oligarchy
- C Monarchy
- D Plutocracy

**Answer: C**

**Question 15**

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

**A vertical passageway into a mine**

- A canal
- B Shaft
- C Aisle
- D Lobby

**Answer: B**

**Question 16**

Select the most appropriate option to fill in the blank.

The minister said, "Anyone using drones will have to register them on an \_\_\_\_\_ portal."

- A aviation
- B aeroplane
- C airport
- D airline

**Answer: A**

**SSC CHSL Important Questions and Answers (Download PDF)**

**Question 17**

Select the word with the correct spelling.

- A Piety
- B Certanity
- C Notoreity
- D Vizibility

**Answer: A**

**Question 18**

Select the option that is the direct form of the sentence.

Dhiraj said that he had been to Goa the previous year also.

- A Dhiraj told, "I went to Goa the last year also."
- B Dhiraj said, "I had been to Goa the previous year also."
- C Dhiraj said, "He has been to Goa the previous year also."
- D Dhiraj said, "I have been to Goa last year also."

**Answer: D**

**Question 19**

Select the alternative that will improve the underlined part of the sentence. In case there is no improvement select 'No improvement'.

Sidharth want to become a football player but needs to practice more rigorously.

- A No improvement
- B wanted becoming
- C wanst to become
- D is wanting to become

**Answer: C**

## SSC CHSL Study Material

### Question 20

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

- A. A common sight now is that on the roads of Yangon antiquated cars move alongside shiny new vehicles.
- B. A newly-built highway connects Mandalay to the city of Rangoon, now called Yangon.
- C. Similarly, hurriedly constructed glass-fronted buildings stand next to old colonial structures.
- D. Yangon is fairly typical of any developing city in Asia, standing as it does at the crossroads of modernisation.

- A DABC
- B ADCB
- C BDAC
- D CDBA

Answer: C

### Question 21

Select the segment in the sentence, which contains a grammatical error.

Plenty of people likes to celebrate New Year's eve with their family and friends.

- A their family and friends
- B likes to celebrate
- C New Year's eve with
- D Plenty of people

Answer: B

### Question 22

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

His guide asked him to pull up his socks if he wanted a good rank.

- A dress more carefully and neatly
- B give attention to his appearance also
- C take care to be more formal
- D make a greater effort to improve

Answer: D

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### Question 23

Select the most appropriate antonym of the given word.

RUEFUL

- A Joyful
- B Regretful
- C Spicy
- D Fragrant

Answer: A

**Question 24**

Select the most appropriate synonym of the given word.

**SURGE**

- A Smooth
- B Clean
- C Rush
- D Hygienic

Answer: C

**Question 25**

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

We enjoyed watching the film because it was a down-to-earth depiction of modern life.

- A short and meaningful
- B pleasing and entertaining
- C fanciful and dreamlike
- D practical and direct

Answer: D

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### General Intelligence

**Instructions**

For the following questions answer them individually

**Question 26**

In a certain code language, OPERATION is written as PNFPRJMM. How will ACCIDENT be written as in code language?

- A BADGECRO
- B BADGECOR
- C BADGEFOR
- D ABDGECOR

Answer: B



**Explanation:**

Given, OPERATION is written as PNFPBRJMM in the code language

The logic here is

$$O + 1 = P$$

$$P - 2 = N$$

$$E + 1 = F$$

$$R - 2 = P$$

$$A + 1 = B$$

$$T - 2 = R$$

$$I + 1 = J$$

$$O - 2 = M$$

$$N + 1 = M$$

The alternate letters are added with 1 and subtracted with 2 respectively

Similarly,

$$A + 1 = B$$

$$C - 2 = A$$

$$C + 1 = D$$

$$I - 2 = G$$

$$D + 1 = E$$

$$E - 2 = C$$

$$N + 1 = O$$

$$T - 2 = R$$

∴ ACCIDENT is written as BADGECOR in the code language

Hence, the correct answer is Option B

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**Question 27**

**A + B** means 'A is the father of B':

**A - B** means 'A is the wife of B',

**A × B** means 'A is daughter of B',

**A ÷ B** means 'A is the son of B'.

If **J × K + L ÷ M**, then how is M related to J?

**A** Sister

**B** Mother

**C** Father

**D** Brother

**Answer:** B

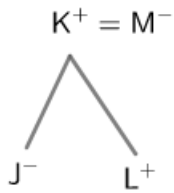
**Explanation:**

**J × K** means 'J is the daughter of K'

**K + L** means 'K is the father of L'

$L \div M$  means 'L is the son of M'

The family tree for the above relations is



$\therefore$  M is the mother of J

Hence, the correct answer is Option B

#### Question 28

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

Energy : Joule :: Power : ?

- A Watt
- B Energy
- C Work
- D Newton

**Answer:** A

#### Explanation:

Energy is measured in Joule. Similarly, Power is measured in Watt.

$\therefore$  Watt is related to Power in the same way Joule is measured in Energy

Hence, the correct answer is Option A

#### Question 29

Select the option that does NOT belong to the given series:

QP, JK, ON, LM, NO

- A NO
- B LM
- C JK
- D ON

**Answer:** A

#### Explanation:

In the given series, the pair of letters at odd places are in reverse order to alphabetical order. The pair of letters at even places are according to alphabetical order.

The 5th pair NO is not reverse to alphabetical order as per the above condition.

$\therefore$  NO do not belong to the given series.

Hence, the correct answer is Option A

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**Question 30**

Choose the correct cluster of letters to complete the given series.

abb\_baa\_a\_bad\_aba

- A abab
- B abba
- C aabb
- D ccac

**Answer: B**

**Question 31**

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

- A Shimla
- B Gangtok
- C Ladakh
- D Dehradun

**Answer: C**

**Explanation:**

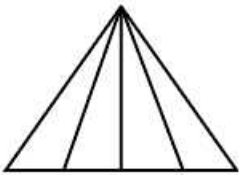
Shimla, Gangtok, Dehradun are capital of different states but Ladakh is not capital of any state.

∴ Ladakh is the odd one among the given words

Hence, the correct answer is Option C

**Question 32**

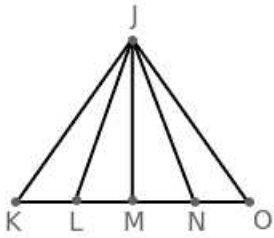
Find the number of triangles in the given figure.



- A 7
- B 13
- C 10
- D 8

**Answer: C**

**Explanation:**



The different triangles in the given figure is JKL, JLM, JMN, JNO, JKM, JLN, JMO, JKN, JLO, JKO

∴ Number of triangles in the given figure = 10

Hence, the correct answer is Option C

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### Question 33

If 3129 is coded as CCI and 5674 is coded as EMD, then how will 6878 be coded as?

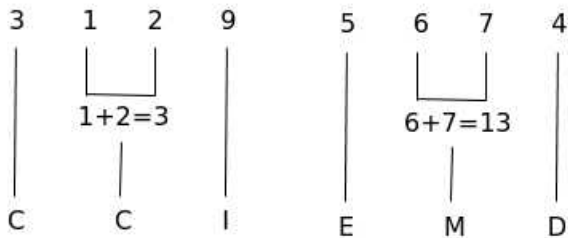
- A FOH
- B GOI
- C FHO
- D NGH

**Answer:** A

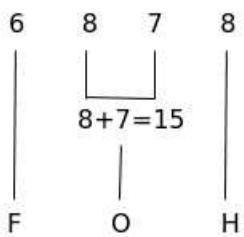
#### Explanation:

Given, 3129 is coded as CCI and 5674 is coded as EMD

The logic here is



Similarly,



∴ 6878 is coded as FOH

Hence, the correct answer is Option A

### Question 34

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

7, 11, 13, 17, 23, 37, ?

- A 41

B 27

C 25

D 33

Answer: A

**Question 35**

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

L, M, K, N, J, O, ?

A R

B H

C P

D I

Answer: D

**Explanation:**

Given series is an alternate series with two series are L, K, J, .... and M, N, O,....

The next letter of the given series is the next letter of L, K, J, ....

In L, K, J, ....

$L - 1 = K$

$K - 1 = J$

Similarly, the next letter =  $J - 1 = I$

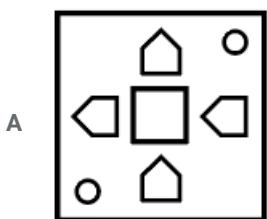
∴ The next letter of the given series is I

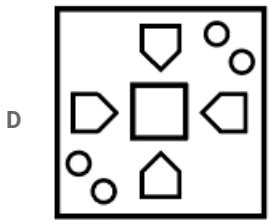
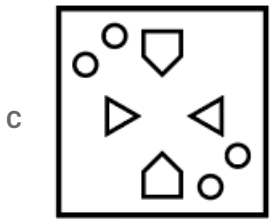
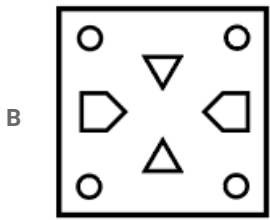
Hence, the correct answer is Option D

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**Question 36**

The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded?





Answer: D

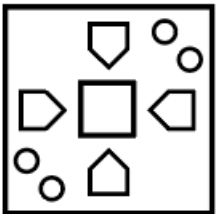
**Explanation:**

When the paper is unfolded, the pattern of cutting will be similar in four parts of the paper.

When the paper is unfolded first to the right, a pentagon will appear towards the right and a circle towards the top right.

When the paper is unfolded again to the top, two pentagons one each will appear on the top and left of the paper and two circles one each will appear on the top right and bottom left similarly.

∴ When the paper is unfolded it will appear as shown below

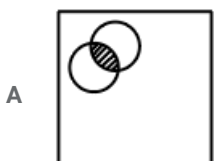
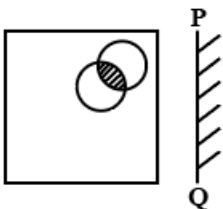


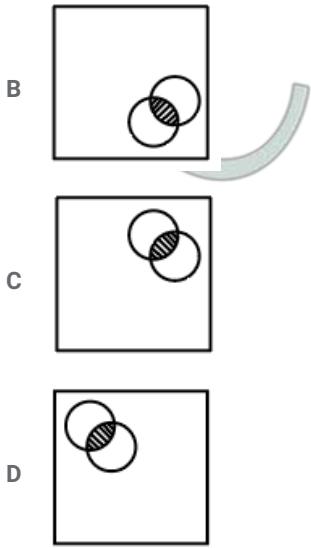
Hence, the correct answer is Option D

**Question 37**

Select the correct mirror image from the answer figures when the mirror is placed on the line PQ as shown in the question figure.

**Question figure:**





Answer: D

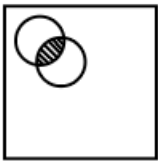
**Explanation:**

When a mirror is placed on the line PQ,

The facing of the figure to the left and right direction changes to opposite direction in mirror image(right facing changes to left and vice versa). There won't be change in top and bottom direction.

The two circles which are towards top right will be towards top left in the mirror image.

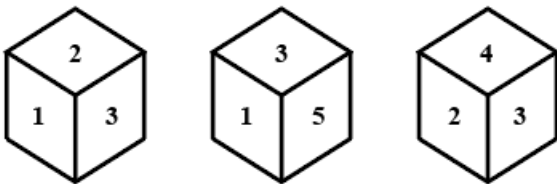
∴ The mirror image of the given figure is



Hence, the correct answer is Option D

**Question 38**

Three different positions of the same dice are shown. Select the number that will be on the face opposite to the one having 3.



A 6

B 5

C 1

D 4

Answer: A

**Explanation:**

From the first position of dice, 3 is not opposite to 1 and 2

From the second position of dice, 3 is not opposite to 5

From the third position of dice, 3 is not opposite to 4

⇒ 3 is opposite to the remaining number 6

∴ 6 will be on the face opposite to the one having 3

Hence, the correct answer is Option A

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### Question 39

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

AB : C :: HJ : ?

A I

B Q

C R

D K

**Answer: C**

### Explanation:

Let us rank the alphabets

A=1                      So, given AB:C

B=2                      1+2=3 i.e; 3=C

C=3                      Similarly, H+J= 18= R=Therefore, answer is option C

H=8

J=10

R=18

### Question 40

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

A 122

B 256

C 170

D 226

**Answer: B**

### Explanation:

$$122 = 121 + 1 = 11^2 + 1$$

$$170 = 169 + 1 = 13^2 + 1$$

$$226 = 225 + 1 = 15^2 + 1$$

$$256 = 16^2$$

122, 170, 226 are in the form of  $n^2 + 1$  except 256.

∴ 256 is the odd one among the given numbers

Hence, the correct answer is Option B



**Question 41**

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

**Statements:**

Some Pen are Ink.

Some Paper are Ink.

**Conclusions:**

(I) All Ink are Pen.

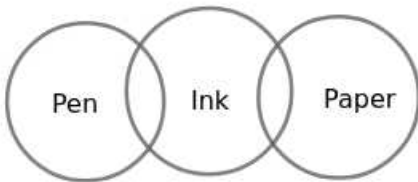
(II) Some Pens are Paper

- A Either conclusion I or conclusion II follows.
- B Only conclusion I follows.
- C Both conclusions I and II follow.
- D Neither conclusion I nor conclusion II follows.

**Answer: D**

**Explanation:**

The basic diagram for the given figure is



(I) All Ink are Pen

From the basic diagram, all ink are not pen. Hence conclusion I do not follow.

(II) Some Pens are Paper

From the basic diagram, no pen is paper. Hence conclusion II do not follow.

∴ Neither conclusion I nor conclusion II follows the given statements.

Hence, the correct answer is Option D

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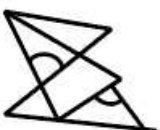
**Question 42**

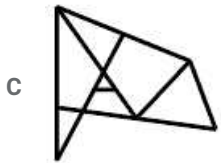
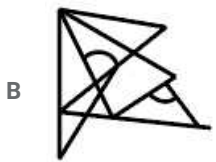
Select the option from the answer figures in which the given question figure is embedded.

**Question figure:**



A





Answer: D

**Explanation:**

The question figure is embedded in the fourth figure as shown below



Hence, the correct answer is Option D

**Question 43**

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

2, 10, 26, ?, 82

A 65

B 58

C 50

D 46

Answer: C

**Explanation:**

The logic here is

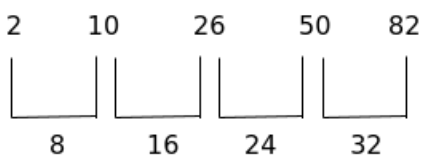
$$10 - 2 = 8$$

$$26 - 10 = 16$$

The difference between the numbers of the series is multiple of 8

The next difference should be 24

$$\therefore \text{Required number} = 26 + 24 = 50$$



Hence, the correct answer is Option C

Question 44

Aarav's mother was 3 times as old as Aarav 5 years ago. After 5 years she will be twice as old as Aarav. How old is Aarav today?

- A 25 years
- B 15 years
- C 20 years
- D 10 years

Answer: B

Explanation:

Let the present age of Aarav =  $a$

Age of Aarav 5 years ago =  $a - 5$

Aarav's mother was 3 times as old as Aarav 5 years ago.

$$\Rightarrow \text{Aarav's mother age 5 years ago} = 3(a - 5) = 3a - 15$$

$$\text{Aarav's mother present age} = 3a - 15 + 5 = 3a - 10$$

$$\text{Aarav's mother age after 5 years} = 3a - 10 + 5 = 3a - 5$$

According to the problem, after 5 years Aarav's mother is twice as old as Aarav

$$\Rightarrow 3a - 5 = 2(a + 5)$$

$$\Rightarrow 3a - 5 = 2a + 10$$

$$\Rightarrow a = 15$$

$\therefore$  Aarav's present age = 15 years

Hence, the correct answer is Option B

## SSC CHSL Free Mock Test

Question 45

Which two signs or numbers need to be interchanged to make the following equation correct?

$$(18 \div 9) + 9 \times 8 = 24$$

- A +,  $\times$
- B +,  $\div$
- C  $\times$ ,  $\div$
- D 18, 8

Answer: B

Explanation:

By Trial and Error method,

Option A

$$(18 \div 9) \times 9 + 8 = 24$$

$$2 \times 9 + 8 = 24$$

$$18 + 8 = 24$$

$$26 = 24$$

Hence Option A is incorrect

Option B

$$(18 + 9) \div 9 \times 8 = 24$$

$$27 \div 9 \times 8 = 24$$

$$3 \times 8 = 24$$

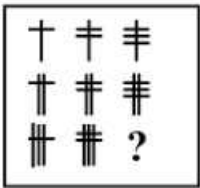
$$24 = 24$$

Hence, the correct answer is Option B

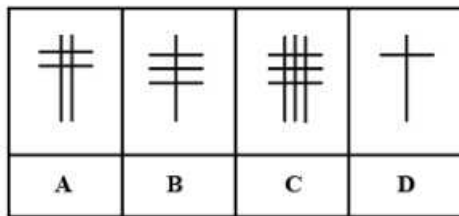
**Question 46**

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

**Question figure:**



**Answer Figure:**



A B

B D

C C

D A

**Answer: C**

**Explanation:**

In the given figure,

Along the columns the vertical lines are increasing by 1 and the horizontal lines are remaining same.

Similarly, from the 3rd column the required figure has 3 vertical lines and 3 horizontal lines.

∴ The required figure is figure C.

Hence, the correct answer is Option C

**Question 47**

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

$$5 \quad 6 \quad 4 \quad 26$$

$$7 \quad 6 \quad 5 \quad 37$$

$$4 \quad 8 \quad 10 \quad ?$$

- A 22
- B 17
- C 49
- D 65

**Answer: A**

**Explanation:**

The logic along the rows is,

$$5 \times 6 - 4 = 26$$

$$7 \times 6 - 5 = 37$$

Similarly,

$$4 \times 8 - 10 = 22$$

∴ The required value is 22

Hence, the correct answer is Option A

## SSC CHSL Previous Papers (DOWNLOAD PDF)

**Question 48**

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

<b>13</b>	<b>19</b>	<b>71</b>	<b>9</b>	<b>128</b>	<b>32</b>
<b>4</b>		<b>10</b>		<b>?</b>	

- A 16
- B 26
- C 12
- D 20

**Answer: B**

**Explanation:**

The logic here is

$$13 + 19 = 32 = 4 \times 8$$

$$71 + 9 = 80 = 10 \times 8$$

The sum of top numbers is equal to the product of bottom number and 8.

Let the required number = a

$$\text{Similarly, } 128 + 32 = a \times 8$$

$$\Rightarrow 8a = 160$$

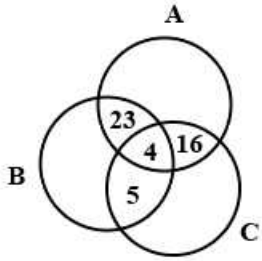
$$\Rightarrow a = 20$$

∴ The required number = 20

Hence, the correct answer is Option B

Question 49

In the given Venn diagram, circle A represents books, circle B represents pens and circle C, represents pencils. Which number represents only books and pencils?



- A 16
- B 23
- C 5
- D 20

Answer: A

**Explanation:**

From the Venn Diagram,

Number which represents only books and pencils = Intersection of A and C but not B = 16

Hence, the correct answer is Option A

Question 50

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

13 : 17 :: 73 : ?

- A 78
- B 79
- C 81
- D 99

Answer: B

**Explanation:**

17 is the next prime number after 13. Similarly, the next prime number after 73 is 79.

∴ 79 is related to 73 in the same way 17 is related to 13

Hence, the correct answer is Option B

**SSC CGL Previous Papers (DOWNLOAD PDF)**

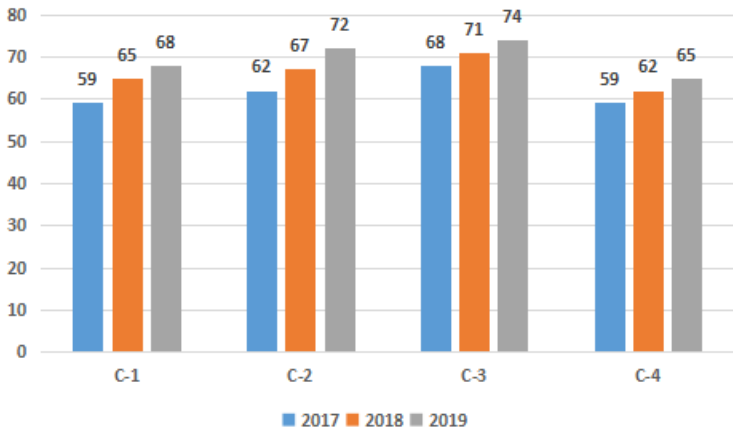
**Quantitative Aptitude(Basic Arithmetic Skill)**

**Instructions**

For the following questions answer them individually

Question 51

The given data shows the number of mobiles (in thousands) manufactured by companies C-1, C-2, C-3 and C-4 in 2017, 2018 and 2019.



Which company manufactured the highest number of mobiles across all the years?

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

Answer: C

Explanation:

From the graph,

Number of mobiles manufactured by the company C-1 across all years (in thousands) =  $59+65+68 = 192$

Number of mobiles manufactured by the company C-2 across all years (in thousands) =  $62+67+72 = 201$

Number of mobiles manufactured by the company C-3 across all years (in thousands) =  $68+71+74 = 213$

Number of mobiles manufactured by the company C-4 across all years (in thousands) =  $59+62+65 = 186$

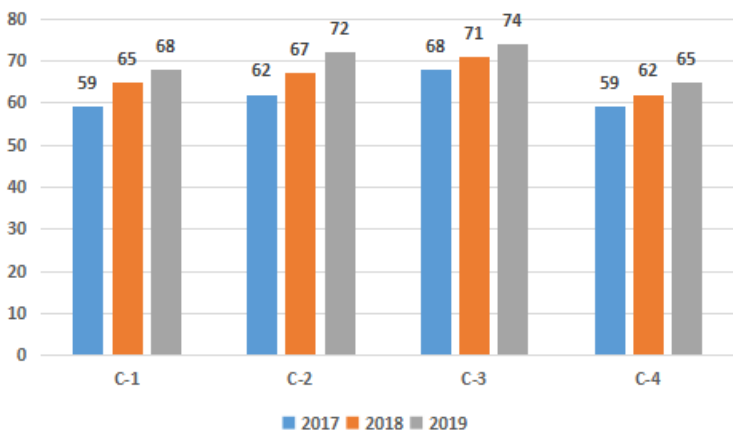
∴ Company C-3 manufactured the highest number of mobiles across all the years

Hence, the correct answer is Option C

SSC CGL Free Mock Test (Latest Pattern)

Question 52

The given data shows the number of mobiles (in thousands) manufactured by companies C-1, C-2, C-3 and C-4 in 2017, 2018 and 2019.



Which company witnessed the highest increase in manufacturing from 2017 to 2018?

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

**Answer: B**

**Explanation:**

From the graph,

Increase in manufacturing from 2017 to 2018 for company C-1 (in thousands) = 65-59 = 6

Increase in manufacturing from 2017 to 2018 for company C-2 (in thousands) = 67-62 = 5

Increase in manufacturing from 2017 to 2018 for company C-3 (in thousands) = 71-68 = 3

Increase in manufacturing from 2017 to 2018 for company C-4 (in thousands) = 62-59 = 3

∴ Company C-1 witnessed the highest increase in manufacturing from 2017 to 2018

Hence, the correct answer is Option B

**Question 53**

**If the cost price of 25 articles is equal to the selling price of 35 articles find the profit/loss percentage.**

- A Loss – 28.57%
- B Profit – 28.57%
- C Profit – 18.93%
- D Loss – 18.93%

**Answer: A**

**Explanation:**

Given, cost price of 25 articles is equal to the selling price of 35 articles

Let the cost price of 25 articles = C

$$\Rightarrow \text{Cost price of 1 article} = \frac{C}{25}$$

Selling price of 35 articles = C

$$\Rightarrow \text{Selling price of 1 article} = \frac{C}{35}$$

$$\text{Loss} = \text{Cost price} - \text{Selling price} = \frac{C}{25} - \frac{C}{35} = \frac{10C}{25 \times 35} = \frac{2C}{175}$$

$$\therefore \text{Loss\%} = \frac{\frac{2C}{175}}{\frac{C}{25}} \times 100 = \frac{2 \times 25}{175} \times 100 = 28.57\%$$

Hence, the correct answer is Option A

**Question 54**

**If  $\operatorname{cosec} A = \frac{25}{7}$ , then what is the value of Tan A?**

- A  $\frac{7}{25}$
- B  $\frac{7}{24}$
- C  $\frac{24}{25}$
- ...



D  $\frac{25}{24}$

**Answer: B**

**Explanation:**

Given,  $\operatorname{cosec} A = \frac{25}{7}$

$\Rightarrow \sin A = \frac{7}{25}$

$\cos A = \sqrt{1 - \sin^2 A}$

$= \sqrt{1 - \left(\frac{7}{25}\right)^2}$

$= \sqrt{1 - \frac{49}{625}}$

$= \sqrt{\frac{625-49}{625}}$

$= \sqrt{\frac{576}{625}}$

$= \frac{24}{25}$

$\therefore \tan A = \frac{\sin A}{\cos A} = \frac{\frac{7}{25}}{\frac{24}{25}} = \frac{7}{24}$

Hence, the correct answer is Option B

## SSC CHSL Important Questions and Answers (Download PDF)

**Question 55**

A triangle is NOT said to be a right-angled triangle if its sides measure:

- A 5 cm, 7 cm and 9 cm
- B 6 cm, 8 cm and 10 cm
- C 5 cm, 12 cm and 13 cm
- D 3 cm, 4 cm and 5 cm

**Answer: A**

**Explanation:**

6 cm, 8 cm and 10 cm is a pythagoras triplet

5 cm, 12 cm and 13 cm is a pythagoras triplet

3 cm, 4 cm and 5 cm is a pythagoras triplet

Hence, above measurements are sides of a right angled triangle

5 cm, 7 cm and 9 cm is not a pythagoras triplet

$\therefore$  5 cm, 7 cm and 9 cm are not sides of right angled triangle

Hence, the correct answer is Option A

**Question 56**

How much time will a horse take to run around a square field of side 175 m if it runs at the speed of 15 km/hr?

- A 180 sec

- B 175 sec
- C 155 sec
- D 168 sec

**Answer: D**

**Explanation:**

Side of the square field = 175 m

Perimeter of the square field =  $4 \times 175 = 700$  m

$\therefore$  Distance to be travelled by the horse = 700 m

Speed of the horse = 15 km/hr =  $15 \times \frac{5}{18}$  m/sec =  $\frac{25}{6}$  m/sec

$\therefore$  Time taken by the horse to run around the square field =  $\frac{\text{Distance travelled}}{\text{Speed}} = \frac{700}{\frac{25}{6}} = \frac{700 \times 6}{25} = 168$  sec

Hence, the correct answer is Option D

**Question 57**

**P and Q can finish a work in 10 days and 5 days, respectively. Q worked for 2 days and left the job. In how many days can P alone finish the remaining work?**

- A 6 days
- B 4 days
- C 10 days
- D 8 days

**Answer: A**

**Explanation:**

Let the total work be W

Number of required for P to finish the work = 10 days

$\Rightarrow$  Work done by P in 1 day =  $\frac{W}{10}$

Number of required for Q to finish the work = 5 days

$\Rightarrow$  Work done by Q in 1 day =  $\frac{W}{5}$

$\Rightarrow$  Work done by Q in 2 days =  $\frac{2W}{5}$

Remaining work =  $W - \frac{2W}{5} = \frac{3W}{5}$

$\therefore$  Number of days required for P to finish the remaining work =  $\frac{\frac{3W}{5}}{\frac{W}{10}} = \frac{3W}{5} \times \frac{10}{W} = 6$  days

Hence, the correct answer is Option A

## SSC CHSL Study Material

**Question 58**

**A chair was purchased for ₹785 and sold at a profit of 22%. What was the selling price?**

- A ₹857.9
- B ₹957.7

C ₹987.4

D ₹768.3

**Answer: B**

**Explanation:**

Given,

Cost Price of the chair = ₹785

Profit% = 22%

$$\Rightarrow \text{Profit} = \frac{22}{100} \times 785$$

$$\therefore \text{Selling Price} = \text{Cost Price} + \text{Profit} = 785 + \frac{22}{100} \times 785 = \frac{122}{100} \times 785 = ₹957.7$$

Hence, the correct answer is Option B

**Question 59**

**A shopkeeper purchased pens in bulk for ₹28 each. He sold each for ₹40. What was his profit percentage?**

A 48.12%

B 28.40%

C 42.85%

D 38.75%

**Answer: C**

**Explanation:**

Let the number of pens purchased by shopkeeper = n

Cost price of each pen = ₹28

$$\Rightarrow \text{Cost price of total pens} = 28n$$

Selling price of each pen = ₹40

$$\Rightarrow \text{Selling price of total pens} = 40n$$

$$\therefore \text{Profit percentage} = \frac{40n - 28n}{28n} \times 100 = \frac{12n}{28n} \times 100 = 42.85\%$$

Hence, the correct answer is Option C

**Question 60**

**A car travels 105 km in 3 hours and a train travels 252 km in 4 hours. The ratio of speed of the car to that of the train is:**

A 2 : 7

B 3 : 5

C 5 : 9

D 9 : 11

**Answer: C**

**Explanation:**

Given,

Distance that can be travelled by the car in 3 hours = 105 km

$$\Rightarrow \text{Speed of the car} = \frac{105}{3} = 35 \text{ km/h}$$

Distance that can be travelled by the train in 4 hours = 252 km

$$\Rightarrow \text{Speed of the train} = \frac{252}{4} = 63 \text{ km/h}$$

$\therefore$  The ratio of speed of the car to that of the train =  $35 : 63 = 5 : 9$

Hence, the correct answer is Option C

## SSC CHSL Free App

### Question 61

Find the circumference of a circle whose diameter is 12 inches.

- A 87.4672 cm
- B 88.1876 cm
- C 90.2348 cm
- D 95.7072 cm

**Answer:** D

#### Explanation:

Given,

$$\text{Diameter of the circle (d)} = 12 \text{ inches} = 12 \times 2.54 \text{ cm}$$

$$\therefore \text{Circumference of the circle} = \pi d = 3.14 \times 12 \times 2.54 = 95.7072 \text{ cm}$$

Hence, the correct answer is Option D

### Question 62

If one-fifth of one-fourth of a number is 35, then what is seven-eighth of that number?

- A 624.5
- B 612.5
- C 723.5
- D 715

**Answer:** B

#### Explanation:

Let the required number = a

According to the problem,

$$\frac{1}{5} \times \frac{1}{4} \times a = 35$$

$$\Rightarrow a = 35 \times 5 \times 4$$

$$\Rightarrow a = 700$$

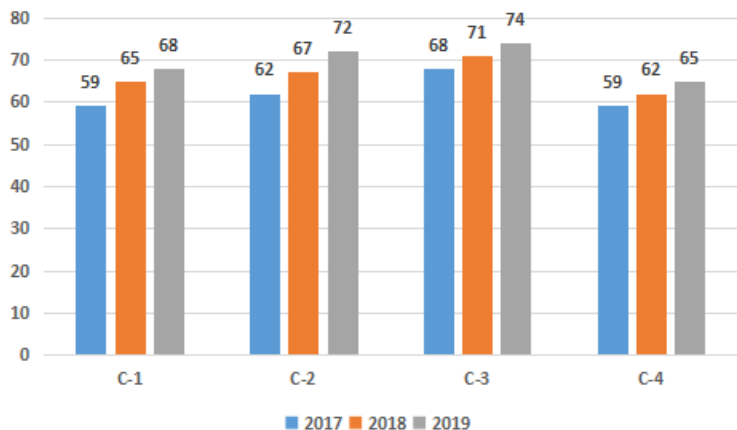
$$\Rightarrow \frac{7}{8}a = \frac{7}{8} \times 700 = 612.5$$

$\therefore$  Seven-eighth of the number = 612.5

Hence, the correct answer is Option B

Question 63

The given data shows the number of mobiles (in thousands) manufactured by companies C-1, C-2, C-3 and C-4 in 2017, 2018 and 2019.



What is the ratio of total products manufactured by C-1 to that of C-4?

- A 11 : 13
- B 14 : 21
- C 27 : 35
- D 32 : 31

Answer: D

Explanation:

From the graph,

Total products manufactured by C-1 in 2017, 2018, 2019 =  $59 + 65 + 68 = 192$

Total products manufactured by C-4 in 2017, 2018, 2019 =  $59 + 62 + 65 = 186$

$\therefore$  Required ratio =  $192 : 186$

=  $64 : 62$

=  $32 : 31$

Hence, the correct answer is Option D

## Daily Free SSC Practice Set

Question 64

$(\sin \theta + \cos \theta)^2 = 2, 0^\circ < \theta < 90^\circ$  then the value of  $\theta$  is:

- A 0
- B  $\frac{\pi}{2}$
- C  $\frac{\pi}{4}$
- D  $\pi$

Answer: C

Explanation:

Given,  $0^\circ < \theta < 90^\circ$

$\Rightarrow 0^\circ < 2\theta < 180^\circ$

$$(\sin \theta + \cos \theta)^2 = 2$$

$$\Rightarrow \sin^2 \theta + \cos^2 \theta + 2 \sin \theta \cos \theta = 2$$

$$\Rightarrow 1 + 2 \sin \theta \cos \theta = 2$$

$$\Rightarrow 2 \sin \theta \cos \theta = 2 - 1$$

$$\Rightarrow \sin 2\theta = 1$$

$$\Rightarrow \sin 2\theta = \sin \left( \frac{\pi}{2} \right) \text{ since } 0^\circ < 2\theta < 180^\circ$$

$$\Rightarrow 2\theta = \frac{\pi}{2}$$

$$\Rightarrow \theta = \frac{\pi}{4}$$

Hence, the correct answer is Option C

#### Question 65

The length and breadth of a rectangle are in the ratio 5 : 3. If the length is 8 m more than the breadth, what is the area of the rectangle?

A  $360m^2$

B  $240m^2$

C  $380m^2$

D  $400m^2$

Answer: B

#### Explanation:

Given,

The length and breadth of the rectangle are in the ratio 5 : 3

Let the length and breadth of the rectangle are  $5p$  and  $3p$  respectively

The length is 8 m more than the breadth

$$\Rightarrow 5p = 3p + 8$$

$$\Rightarrow 5p - 3p = 8$$

$$\Rightarrow 2p = 8$$

$$\Rightarrow p = 4$$

$$\therefore \text{Area of the rectangle} = 5p \times 3p = 15p^2 = 15(4)^2 = 15(16) = 240m^2$$

Hence, the correct answer is Option B

#### Question 66

Find the value of  $\cos 225^\circ$

A 0.7071

B 0.866

C -0.866

D -0.7071

Answer: D

#### Explanation:

$$\cos 225^\circ = \cos (180 + 45^\circ)$$

$$= -\cos 45^\circ$$

$$= -\frac{1}{\sqrt{2}}$$

$$= -\frac{1}{\sqrt{2}} \times \frac{\sqrt{2}}{\sqrt{2}}$$

$$= -\frac{\sqrt{2}}{2}$$

$$= -\frac{1.4142}{2}$$

$$= -0.7071$$

Hence, the correct answer is Option D

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

### Question 67

Latha deposited an amount of ₹35,000 in a bank with simple interest 11% per annum. How much interest will she earn after one year?

A ₹3,370

B ₹3,220

C ₹3,500

D ₹3,850

Answer: D

### Explanation:

Given,

Principal amount (P) = ₹35,000

Rate of Simple interest (R)% = 11%

Time (T) = 1 year

$$\therefore \text{Simple interest earned by Latha} = \frac{PTR}{100} = \frac{35000 \times 1 \times 11}{100} = ₹3,850$$

Hence, the correct answer is Option D

### Question 68

The equation of circle with centre (1, -2) and radius 4 cm is:

A  $x^2 + y^2 + 2x - 4y = 11$

B  $x^2 + y^2 + 2x - 4y = 16$

C  $x^2 + y^2 - 2x + 4y = 16$

D  $x^2 + y^2 - 2x + 4y = 11$

Answer: D

### Explanation:

Given,

Centre of the circle (a, b) = (1, -2)

Radius of the circle (r) = 4 cm

$$\therefore \text{Equation of the circle is } (x - a)^2 + (y - b)^2 = r^2$$

$$\Rightarrow (x - 1)^2 + (y - (-2))^2 = 4^2$$

$$\Rightarrow (x - 1)^2 + (y + 2)^2 = 4^2$$

$$\Rightarrow x^2 + 1^2 - 2 \cdot x \cdot 1 + y^2 + 2^2 + 2 \cdot y \cdot 2 = 16$$

$$\Rightarrow x^2 + 1 - 2x + y^2 + 4 + 4y = 16$$

$$\Rightarrow x^2 - 2x + y^2 + 4y = 16 - 1 - 4$$

$$\Rightarrow x^2 + y^2 - 2x + 4y = 11$$

Hence, the correct answer is Option D

#### Question 69

There are five stations on a railway line. What is the number of different journey tickets that are required for railway authorities?

- A 30
- B 25
- C 35
- D 20

Answer: D

#### Explanation:

Given, there are five stations on a railway line

Number of tickets required from one side is obtained by the selection of 2 stations from 5 =  ${}^5C_2 = \frac{5 \times 4}{1 \times 2} = 10$

Similarly number of tickets from other side =  ${}^5C_2 = 10$

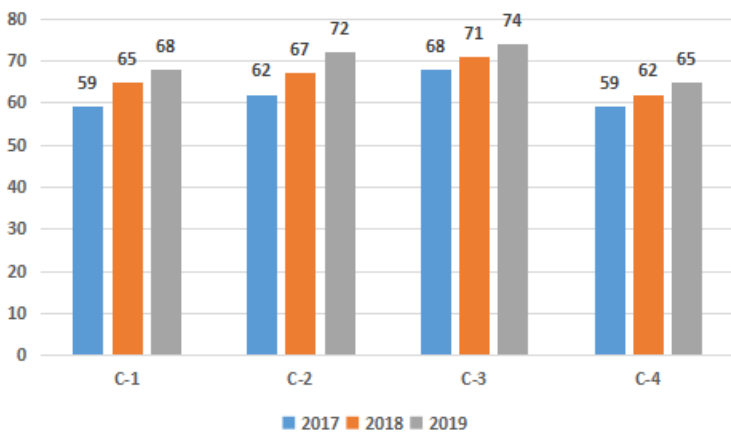
$\therefore$  Number of different journey tickets that are required for railway authorities =  $10 + 10 = 20$

Hence, the correct answer is Option D

## 1500+ Very Important Free SSC Solved Questions

#### Question 70

The given data shows the number of mobiles (in thousands) manufactured by companies C-1, C-2, C-3 and C-4 in 2017, 2018 and 2019.



Which company manufactured the least number of mobiles across all the years?

- A C-2
- B C-1
- C C-4



D C-3

**Answer:** C

**Explanation:**

From the graph,

Number of mobiles (in thousands) manufactured by company C-1 in 2017, 2018, 2019 =  $59 + 65 + 68 = 192$

Number of mobiles (in thousands) manufactured by company C-2 in 2017, 2018, 2019 =  $62 + 67 + 72 = 201$

Number of mobiles (in thousands) manufactured by company C-3 in 2017, 2018, 2019 =  $68 + 71 + 74 = 213$

Number of mobiles (in thousands) manufactured by company C-4 in 2017, 2018, 2019 =  $59 + 62 + 65 = 186$

∴ The company C-4 manufactured the least number of mobiles across all the years

Hence, the correct answer is Option C

**Question 71**

**Find the volume in ( $cm^3$ ) of a sphere whose radius is 7.5 cm.**

A 1767.85

B 1489.12

C 1985.23

D 1683.25

**Answer:** A

**Explanation:**

Given,

Radius of the sphere( $r$ ) = 7.5 cm

∴ Volume of the sphere =  $\frac{4}{3} \pi r^3 = \frac{4}{3} \times \frac{22}{7} \times (7.5)^3 = 1767.85 \text{ cm}^3$

Hence, the correct answer is Option A

**Question 72**

**Which of the following numbers is divisible by 4?**

A 897654

B 954782

C 674536

D 267834

**Answer:** C

**Explanation:**

If a number is divisible by 4 then the last two digits of the number should be divisible by 4

In 897654, the last two digits of the number 54 is not divisible by 4 then the number 897654 is not divisible by 4

In 954782, the last two digits of the number 82 is not divisible by 4 then the number 954782 is not divisible by 4

In 674536, the last two digits of the number 36 is divisible by 4 then the number 674536 is divisible by 4

In 267834, the last two digits of the number 34 is not divisible by 4 then the number 267834 is not divisible by 4

Hence, the correct answer is Option C

## SSC Exam Update Videos & Free Study Material (YouTube Channel)

### Question 73

A man buys 2 apples and 3 kiwi fruits for ₹37. If he buys 4 apples and 5 kiwi fruits for ₹67, then what will be the total cost of 1 apple and 1 kiwi fruit?

- A ₹18
- B ₹20
- C ₹15
- D ₹28

**Answer: C**

#### Explanation:

Let the cost of 1 apple = a

cost of 1 kiwi fruit = k

Given,

Cost of 2 apples and 3 kiwi fruits = ₹37

$$\Rightarrow 2a + 3k = 37 \dots\dots\dots(1)$$

Cost of 4 apples and 5 kiwi fruits = ₹67

$$\Rightarrow 4a + 5k = 67 \dots\dots\dots(2)$$

Solving 2(1) - (2), we get

$$6k - 5k = 74 - 67$$

$$\Rightarrow k = 7$$

Substituting k = 7 in equation (1)

$$2a + 3(7) = 37$$

$$\Rightarrow 2a = 37 - 21$$

$$\Rightarrow 2a = 16$$

$$\Rightarrow a = 8$$

Total cost of 1 apple and 1 kiwi fruit = 8 + 7 = ₹15

Hence, the correct answer is Option C

### Question 74

If a number is divided by 3, the remainder will be 2. If the number is added by 5 and then divided by 3, then what will be the remainder?

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

**Answer: B**

#### Explanation:

Let the number be 'a'

When  $a$  is divided by 3, the remainder is 2 and let the quotient be  $k$

$$\Rightarrow a = 3k + 2$$

$$\Rightarrow a + 5 = 3k + 2 + 5$$

$$\Rightarrow a + 5 = 3k + 7$$

$$\Rightarrow a + 5 = 3k + 6 + 1$$

$$\Rightarrow a + 5 = 3(k+2) + 1$$

$\therefore$  When  $a + 5$  is divided by 3 then the remainder is 1

Hence, the correct answer is Option B

#### Question 75

The average price of three items is ₹14,265. If their prices are in the ratio 7 : 9 : 11, then the price of the costliest item is:

A ₹16,235

B ₹14,875

C ₹17,435

D ₹19,875

Answer: C

#### Explanation:

Given,

The average price of three items is ₹14,265

Sum of the price of three items =  $14265 \times 3 = 42795$

Costliest item of the three =  $\frac{11}{7+9+11} \times 42,795 = \frac{11}{27} \times 42795 = ₹17,435$

Hence, the correct answer is Option C

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### General Awareness

#### Instructions

For the following questions answer them individually

#### Question 76

How many districts are there in the Union Territory of Ladakh?

A 3

B 2

C 4

D 1

Answer: B

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**Question 77**

**Minimum Support Price (MSP) of the agricultural crops in India is fixed by the government on the recommendations of the:**

- A Commission for Agricultural Costs and Prices (CACP)
- B Reserve Bank of India
- C NABARD
- D Food Corporation of India (FCI)

**Answer: A**

**Question 78**

**The words 'Satyameva Jayate' on the state emblem has been taken from which Upanishad?**

- A Mundaka
- B Prasna
- C Kena
- D Katha

**Answer: A**

**Question 79**

**Which company manufactured the first microprocessor 4004?**

- A NVIDIA Corporation
- B PLX Devices
- C INTEL Corporation
- D ENOcean Private Company

**Answer: C**

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**Question 80**

**Who has been elected as the new Jharkhand assembly speaker?**

- A Alamgir Alam
- B CP Singh
- C Rabindra Nath Mahto
- D Inder Singh Namdhari

**Answer: C**

**Question 81**

**The period of 12th Five Year Plan was:**

A 2007 - 2012

B 2002 - 2007

C 2012 - 2017

D 1997 - 2002

**Answer: C**

**Question 82**

**When was the construction of the Rashtrapati Bhavan completed?**

A 1959

B 1953

C 1949

D 1929

**Answer: D**

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**Question 83**

**Where is the headquarters of South Western Railway?**

A Kolkata

B Hubli

C Secunderabad

D Chennai

**Answer: B**

**Question 84**

**Who was the founder of Pala Dynasty?**

A Mahipala

B Gopala

C Dharampala

D Ramapala

**Answer: B**

**Question 85**

**India signed Panchsheel Treaty with which country?**

A Nepal

B China

- C Pakistan
- D Bangladesh

Answer: B

## SSC CHSL Previous Papers (DOWNLOAD PDF)

### Question 86

The Kumaon Himalayas lie between which two rivers?

- A Satluj-Kali
- B Tista-Dihang
- C Kali-Tista
- D Indus-Satluj

Answer: A

### Question 87

Hirakud dam is in which state?

- A Maharashtra
- B Karnataka
- C Odisha
- D Rajasthan

Answer: C

### Question 88

Vitamin B Complex consists of how many vitamins?

- A 5
- B 6
- C 7
- D 8

Answer: D

## SSC CGL Previous Papers (DOWNLOAD PDF)

### Question 89

Which country has ordered to kill camels due to drought in January 2020?

- A United Arab Emirates
- B Africa

C Australia

D India

Answer: C

Question 90

When was the Indian Reform Association formed?

A 1860

B 1865

C 1885

D 1870

Answer: D

Question 91

Where was the Pullela Gopichand Badminton Academy founded in 2008?

A Mumbai

B New Delhi

C Hyderabad

D Bangalore

Answer: C

## SSC CGL Free Mock Test (Latest Pattern)

Question 92

Atomic number of copper is:

A 25

B 23

C 29

D 28

Answer: C

Question 93

When was the right to property removed from the list of fundamental rights?

A 1975

B 1980

C 1978

D 1977

Answer: C

**Question 94**

When did Karnam Malleshwari get the Padma Shri?

- A 2000
- B 1994
- C 1999
- D 1995

Answer: C

## SSC CHSL Important Questions and Answers (Download PDF)

**Question 95**

'Karmayoddha Granth' has been written on the life of:

- A Subash Chandra Bose
- B Manmohan Singh
- C Narendra Modi
- D Mahatma Gandhi

Answer: C

**Question 96**

What is the value of g? (g stands for acceleration due to gravitational force of the earth)

- A  $9.8m/s^2$
- B  $6.7m/s^2$
- C  $5.2m/s^2$
- D  $7.8m/s^2$

Answer: A

**Question 97**

Where is the Sultan Azlan Shah Cup held every year?

- A South Korea
- B India
- C Malaysia
- D Germany

Answer: C



## SSC CHSL Study Material

### Question 98

Which shortcut key is used for previewing the page before printing?

- A CTRL + F10
- B CTRL + F6
- C CTRL + F5
- D CTRL + F2

Answer: D

### Question 99

Who wrote the book 'An era of Darkness'?

- A Anees Salim
- B Mamang Dai
- C Jerry Pinto
- D Shashi Tharoor

Answer: D

### Question 100

Nobel Peace Prize 2019 winner Abiy Ahmed Ali belongs to which country?

- A Ethiopia
- B Brazil
- C Pakistan
- D UAE

Answer: A

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