



## SSC CHSL 20 March 2018 Evening Shift

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**Question 5**

Which of the following statement is CORRECT about a triangle?

- A If the triangles are congruent then their area will be equal.
- B If the areas of two similar triangles are equal then the triangle is congruent.
- C Two congruent triangles are always similar to each other.
- D All options are correct

**Answer:** D

**Explanation:**

According to the properties of congruency of two triangles, if the triangles are congruent then their area will be equal and two congruent triangles are always similar to each other. Also, if the areas of two similar triangles are equal then the triangle is congruent.

Thus, all options are correct.

=> Ans - (D)

**Question 6**

Classify the triangle as a type of triangle if the sides of the triangle are 6, 12 and 13 units.

- A Right angled triangle
- B Obtuse angled triangle
- C Acute angled triangle
- D None of these

**Answer:** C

**Explanation:**

Let the sides of  $\triangle ABC$  be  $a, b, c$ , where the largest side = ' $c$ '

If  $c^2 = a^2 + b^2$ , then the angle at  $C$  is right angle.

If  $c^2 < a^2 + b^2$ , then the angle at  $C$  is acute angle.

If  $c^2 > a^2 + b^2$ , then the angle at  $C$  is obtuse angle.

Now, according to ques, =>  $13^2 = 169$

and  $6^2 + 12^2 = 36 + 144 = 180$

$\therefore c^2 < a^2 + b^2$ , hence it is an acute angled triangle.

=> Ans - (C)

**Question 7**

Weight of Ayush and Abhishek are in the ratio of 6 : 11. Abhishek's weight increases by 25% and total weight of Ayush and Abhishek both increases by 40%. If total weight becomes 119 kg, then what is the weight (in kg) of Ayush after the increment?

- A 45.5
- B 30
- C 50.25
- D 47.75

**Answer:** C

**Explanation:**

Let weight of Ayush =  $600x$  kg and weight of Abhishek =  $1100x$  kg

$$\Rightarrow \text{Total weight} = 600x + 1100x = 1700x \text{ kg}$$

$$\text{Abhishek's weight after increment} = 1100x + \left(\frac{25}{100} \times 1100x\right)$$

$$= 1100x + 275x = 1375x \text{ kg}$$

$$\text{Total weight after increment} = 1700x + \left(\frac{40}{100} \times 1700x\right)$$

$$= 1700x + 680x = 2380x \text{ kg}$$

According to ques,  $\Rightarrow 2380x = 119$

$$\Rightarrow x = \frac{119}{2380} = 0.05$$

$$\therefore \text{Ayush's weight after increment} = 2380x - 1375x = 1005x$$

$$= 1005 \times 0.05 = 50.25 \text{ kg}$$

$\Rightarrow$  Ans - (C)

## SSC CHSL Previous Papers (DOWNLOAD PDF)

**Question 8**

A box consist of 5 rupees, 2 rupees and 1 rupee coins and their value are in the ratio of 15 : 4 : 2 respectively. If there are total 112 coins, then how many 2rupees coins are there in the box?

A 32

B 48

C 64

D 24

**Answer: A**

**Explanation:**

Let total value of Rs. 5 coins = Rs.  $15x$ , for Rs. 2 coins = Rs.  $4x$  and Re. 1 coin = Rs.  $2x$

$$\Rightarrow \text{Number of Rs. 5 coins} = \frac{15x}{5} = 3x$$

$$\text{Similarly, number of Rs. 2 coins} = \frac{4x}{2} = 2x \text{ and Re. 1 coin} = \frac{2x}{1} = 2x$$

$$\text{Total number of coins} = 3x + 2x + 2x = 112$$

$$\Rightarrow x = \frac{112}{7} = 16$$

$$\therefore \text{Number of 2 rupees coins} = 2 \times 16 = 32$$

$\Rightarrow$  Ans - (A)

**Question 9**

A mixture contains liquid A and liquid B in the ratio of 5 : 4. If 2 litres of liquid B is added to it, then the ratio of liquid A and liquid B becomes 7 : 6. What is the quantity (in litres) of liquid A in the mixture?

A 32

B 35

C 40

D 42

**Answer: B**

**Explanation:**

Let quantity of liquid A and liquid B be  $5x$  and  $4x$  litres respectively.

According to ques,

$$\Rightarrow \frac{5x}{4x+2} = \frac{7}{6}$$

$$\Rightarrow 30x = 28x + 14$$

$$\Rightarrow 30x - 28x = 2x = 14$$

$$\Rightarrow x = \frac{14}{2} = 7$$

$\therefore$  Total quantity of liquid A =  $5 \times 7 = 35$  litres

$\Rightarrow$  Ans - (B)

**Question 10**

Average of 10 numbers is 14. If each number is multiplied by 6, then what will be the new average?

A 70

B 84

C 56

D 92

**Answer: B**

**Explanation:**

Average of 10 numbers is = 14

If each number is multiplied by 6, then the average will also be multiplied by 6.

$$\Rightarrow \text{New average} = 6 \times 14 = 84$$

$\Rightarrow$  Ans - (B)

## SSC CGL Previous Papers (DOWNLOAD PDF)

**Question 11**

The simple interest on a sum is  $\frac{5}{9}$  of the principal for 25 years. What is the rate (in percentage) of interest per annum?

A  $\frac{25}{9}$

B  $\frac{9}{2}$

C  $\frac{20}{9}$

D  $\frac{15}{4}$

**Answer: C**

**Explanation:**

Let principal amount = Rs.  $9x$

$$\Rightarrow \text{Simple interest} = \frac{5}{9} \times 9x = \text{Rs. } 5x$$

Let rate of interest =  $r\%$  and time period = 25 years

$$\Rightarrow \text{Simple interest} = \frac{P \times R \times T}{100}$$

$$\Rightarrow \frac{9x \times r \times 25}{100} = 5x$$

$$\Rightarrow \frac{9r}{4} = 5$$

$$\Rightarrow x = \frac{5 \times 4}{9} = \frac{20}{9} \%$$

$\Rightarrow$  Ans - (C)

### Question 12

If selling price and cost price of an article are Rs 684.25 and Rs 595 respectively, then what is the profit percentage?

A 15

B 10

C 12.5

D 20

**Answer:** A

### Explanation:

Cost price = Rs. 595

Selling price = Rs. 684.25

$$\Rightarrow \text{Profit \%} = \frac{(S.P. - C.P.)}{C.P.} \times 100$$

$$= \frac{(684.25 - 595)}{595} \times 100$$

$$= \frac{89.25}{595} = \text{Rs. } 15\%$$

$\Rightarrow$  Ans - (A)

### Question 13

The marked price of a book is Rs 4200. The shopkeeper gives two successive discounts of 25% and  $y\%$  to the customer. If the customer pays Rs 2898 for the book, then what is the value (in percentage) of  $y$ ?

A 7

B 8

C 6

D 5

**Answer:** B

### Explanation:

Marked price = Rs. 4200

$$\text{After first discount of 25\%, price of pen} = 4200 - \left(\frac{25}{100} \times 4200\right)$$

$$= 4200 - 1050 = \text{Rs. } 3150$$

$$\text{After 2nd discount of } y\%, \text{ price} = 3150 - \left(\frac{y}{100} \times 3150\right) = 2898$$

$$\Rightarrow 31.5y = 3150 - 2898$$

$$\Rightarrow 31.5y = 252$$

$$\Rightarrow y = \frac{252}{31.5} = 8\%$$

$\Rightarrow$  Ans - (B)

## SSC CGL Free Mock Test (Latest Pattern)

### Question 14

What is the value of  $[(\sqrt{529}) + (\sqrt{5.29}) + (\sqrt{0.0529})]$  ?

- A 25.323
- B 25.53
- C 23.253
- D 23.53

**Answer: B**

#### Explanation:

Expression :  $[(\sqrt{529}) + (\sqrt{5.29}) + (\sqrt{0.0529})]$

$$= 23 + 2.3 + 0.23 = 25.53$$

=> Ans - (B)

### Question 15

P and Q undertook to do a work for Rs 7200. P alone could do it in 20 days and Q alone in 12 days. With the assistance of R they finished the work in 5 days. What is the share (in Rs) of R?

- A 1800
- B 2400
- C 2800
- D 2600

**Answer: B**

#### Explanation:

Let total work to be done = L.C.M (20,12) = 60 units

P alone could do this work in 20 days, => P's efficiency =  $\frac{60}{20} = 3$  units/day

Similarly, Q's efficiency =  $\frac{60}{12} = 5$  units/day

Let R's 1 day's work =  $r$  units/day

According to ques,

$$\Rightarrow 5(3 + 5 + r) = 60$$

$$\Rightarrow 8 + r = \frac{60}{5} = 12$$

$$\Rightarrow r = 12 - 8 = 4$$

Now, ratio of efficiencies of P, Q and R = 3 : 5 : 4

$$\Rightarrow \text{R's share in total amount of Rs. 7200} = \frac{4}{(3+5+4)} \times 7200$$

$$= 4 \times 600 = \text{Rs. 2400}$$

=> Ans - (B)

### Question 16

A boat covers 143 km upstream in 13 hours and the same distance downstream in 11 hours. What is the speed (in km/hr) of the boat in still water?



- A 10
- B 12
- C 14
- D 8

**Answer: B**

**Explanation:**

Let speed of the boat in still water =  $x$  km/hr and speed of current =  $y$  km/hr

According to ques,

$$\Rightarrow x - y = \frac{143}{13} = 11 \text{ -----(i)}$$

$$\text{and } x + y = \frac{143}{11} = 13 \text{ -----(ii)}$$

Adding both equations, we get :  $2x = 11 + 13 = 24$

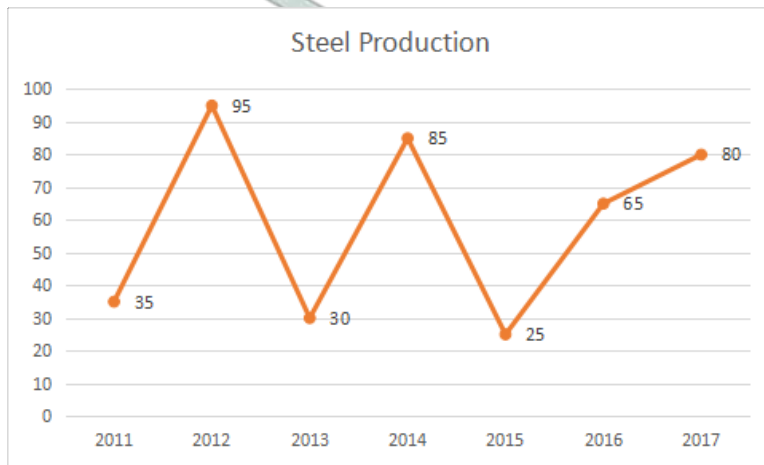
$$\Rightarrow x = \frac{24}{2} = 12 \text{ km/hr}$$

$\Rightarrow$  Ans - (B)

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

**Instructions**

The line graph shows the production of steel of a certain country. Study the diagram and answer the following questions.



**Question 17**

In which year was the steel production lesser than that of the previous year?

- A 2013
- B 2014
- C 2012
- D 2016

**Answer: A**

**Explanation:**

In the years **2013** and **2015**, the steel production was lesser than that of the previous year.

$\Rightarrow$  Ans - (A)

**Question 18**

What was the difference (in million tonnes) in the steel production between the years 2011 and 2015?

- A 10
- B 5
- C 15
- D 20

**Answer: A**

**Explanation:**

Steel production (in million tonnes) in 2011 = 35

Steel production (in million tonnes) in 2015 = 25

=> Required difference =  $35 - 25 = 10$

=> Ans - (A)

**Question 19**

The steel production in 2012 were greater than that in 2015 by \_\_\_\_\_.

- A 80%
- B 73.6%
- C 200%
- D 280%

**Answer: D**

**Explanation:**

Steel production (in million tonnes) in 2012 = 95

Steel production (in million tonnes) in 2015 = 25

=> Required % =  $\frac{(95-25)}{25} \times 100$

=  $70 \times 4 = 280\%$

=> Ans - (D)

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**Question 20**

If 1 tonne of steel costs Rs 30,000, then what was the cost (in Rs billion) of the steel production in the year 2017?

- A 240
- B 3000
- C 2400
- D 300

**Answer: C**

**Explanation:**

Steel production (in million tonnes) in 2017 = 80

Cost of 1 tonne of steel = Rs. 30,000

Total cost of the steel production in the year 2017

$$= 30,000 \times 80 = \text{Rs. } 24,00,000 \text{ millions} = \text{Rs. } 2400 \text{ billions}$$

=> Ans - (C)

### Instructions

For the following questions answer them individually

### Question 21

The perimeter of a square is 26 cm. Find its area ( $\text{in cm}^2$ )

A 42.25

B 84.5

C 39.25

D 78.5

Answer: A

### Explanation:

Let side of square =  $s$  cm

$$\Rightarrow \text{Perimeter} = 4s = 26$$

$$\Rightarrow s = \frac{26}{4} = 6.5 \text{ cm}$$

$$\therefore \text{Area} = (6.5)^2 = 42.25 \text{ cm}^2$$

=> Ans - (A)

### Question 22

The area of a circle is  $616 \text{ cm}^2$ . Find its radius (in cm).

A 14

B 28

C 11

D 22

Answer: A

### Explanation:

Let the radius of circle =  $r$  cm

$$\Rightarrow \text{Area} = \pi r^2 = 616$$

$$\Rightarrow \frac{22}{7} \times r^2 = 616$$

$$\Rightarrow r^2 = 616 \times \frac{7}{22}$$

$$\Rightarrow r = \sqrt{28 \times 7} = 2 \times 7 = 14 \text{ cm}$$

=> Ans - (A)

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### Question 23

Find the surface area ( $\text{in cm}^2$ ) of a sphere of diameter 14 cm.

- A 616
- B 4699
- C 8628
- D 6922

Answer: A

Explanation:

Radius of sphere,  $r = 7$  cm

Surface area of sphere =  $4\pi r^2$

$$= 4 \times \frac{22}{7} \times (7)^2$$

$$= 88 \times 7 = 616 \text{ cm}^2$$

=> Ans - (A)

Question 24

What is the value of  $(\frac{1}{\sqrt{3}} - \sin 45^\circ)$  ?

- A  $\frac{1}{2\sqrt{3}}$
- B  $\frac{(\sqrt{2}-\sqrt{3})}{\sqrt{6}}$
- C  $1 - \sqrt{2}$
- D  $\frac{(4-\sqrt{3})}{2}$

Answer: B

Explanation:

Expression :  $(\frac{1}{\sqrt{3}} - \sin 45^\circ)$

$$= \frac{1}{\sqrt{3}} - \frac{1}{\sqrt{2}}$$

$$= \frac{(\sqrt{2}-\sqrt{3})}{\sqrt{6}}$$

=> Ans - (B)

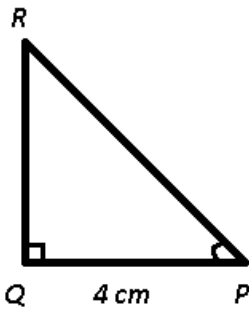
Question 25

In  $\Delta PQR$  measure of angle Q is  $90^\circ$ . If  $\cot P = \frac{8}{15}$ , and  $PQ = 4$ cm, then what is the length (in cm) of side PR?

- A 8.5
- B 7.5
- C 5
- D 4

Answer: A

Explanation:



Given :  $PQ = 4 \text{ cm}$  and  $\cot P = \frac{8}{15}$

To find :  $PR = ?$

Solution : In right  $\triangle PQR$ ,

$$\Rightarrow \cot(P) = \frac{PQ}{QR}$$

$$\Rightarrow \frac{8}{15} = \frac{4}{QR}$$

$$\Rightarrow QR = \frac{15}{8} \times 4 = 7.5 \text{ cm}$$

$$\therefore (PR)^2 = (PQ)^2 + (QR)^2$$

$$\Rightarrow (PR)^2 = (4)^2 + (7.5)^2$$

$$\Rightarrow (PR)^2 = 16 + 56.25 = 72.25$$

$$\Rightarrow PR = \sqrt{72.25} = 8.5 \text{ cm}$$

$\Rightarrow$  Ans - (A)

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### Reasoning

#### Instructions

For the following questions answer them individually

#### Question 26

In the following question, select the related word pair from the given alternatives.

Saw : Carpenter :: ? : ?

- A Pen : Soldier
- B Sword : Sculptor
- C Scalpel : Plough
- D Axe : Woodcutter

Answer: D

#### Explanation:

Expression = Saw : Carpenter :: ? : ?

The first is a tool used by second, i.e. a carpenter uses saw, while a woodcutter uses an axe.

$\Rightarrow$  Ans - (D)

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**Question 27**

In the following question, select the related number pair from the given alternatives.

69 : 87 :: ? : ?

- A 77 : 97
- B 117 : 135
- C 95 : 107
- D 121 : 145

**Answer: B**

**Explanation:**

Expression = 69 : 87 :: ? : ?

The difference between the numbers =  $87 - 69 = 18$

Similarly, only the difference between  $135 - 117 = 18$

=> Ans - (B)

**Question 28**

In the following question, select the related letter pair from the given alternatives.

SQM : RPL :: ? : ?

- A KCN : JBO
- B DQA : CPB
- C BSU : ART
- D PYC : OXD

**Answer: C**

**Explanation:**

Expression = SQM : RPL :: ? : ?

The pattern followed is :

S	Q	M
(-1)	(-1)	(-1)
R	P	L

Similar pattern is observed only in = **BSU : ART**

B	S	U
(-1)	(-1)	(-1)
A	R	T

=> Ans - (C)

**Question 29**

In the following question, select the odd word from the given alternatives.

- A Red
- B Green
- C White

D Painting

Answer: D

**Explanation:**

Red, Green and White are colours, hence **painting** is the odd one out.

=> Ans - (D)

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**Question 30**

In the following question, four number pairs are given. The number on left side of (-) is related to the number on the right side of (-) with some Logic/Rule/Relation. Three are similar on basis of same Logic/Rule/Relation. Select the odd one out from the

A 16 - 32

B 24 - 48

C 36 - 72

D 32 - 66

Answer: D

**Explanation:**

The second number is double the first number.

$$16 \times 2 = 32$$

$$24 \times 2 = 48$$

$$36 \times 2 = 72$$

$$32 \times 2 = 64 \neq 66$$

=> Ans - (D)

**Question 31**

In the following question, select the odd letter/letters from the given alternatives.

A GEC

B NLJ

C OMK

D YWN

Answer: D

**Explanation:**

(A) : G (-2 letters) = E (-2 letters) = C

(B) : N (-2 letters) = L (-2 letters) = J

(C) : O (-2 letters) = M (-2 letters) = K

(D) : Y (-2 letters) = W (-9 letters) = N

=> Ans - (D)

**Question 32**

Arrange the given words in the sequence in which they occur in the dictionary.

1. Clump
2. Clown
3. Climax
4. Clumsy
5. Climb

- A 32541  
B 41523  
C 35214  
D 45213

**Answer:** C

**Explanation:**

As per the order of dictionary :

= Climax -> Climb -> Clown -> Clump -> Clumsy

≡ 35214

=> Ans - (C)

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**Question 33**

In the following question, select the missing number from the given series.

2, 3, 4, 9, 16, 29, 54, ?

- A 109  
B 99  
C 87  
D 117

**Answer:** B

**Explanation:**

The previous three numbers are added to get the next number.

$$2 + 3 + 4 = 9$$

$$3 + 4 + 9 = 16$$

$$4 + 9 + 16 = 29$$

$$9 + 16 + 29 = 54$$

$$16 + 29 + 54 = 99$$

=> Ans - (B)

**Question 34**

A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.

E, I, M, ?, U, Y

- A Q



B R

C T

D S

Answer: A

Explanation:

Series : E, I, M, ?, U, Y

The pattern followed is :

E (+4 letters) = I (+4 letters) = M (+4 letters) = **Q** (+4 letters) = U (+4 letters) = Y

=> Ans - (A)

Question 35

Present age of R and S are in the ratio of 3 : 2 respectively. If the present age of H is 117 years and R's present age is  $\frac{4}{13}$  of H's present age, then after how many years the ages of R and S would be in the ratio of 15 : 11?

A 9

B 6

C 7

D 8

Answer: A

Explanation:

Present age of H = 117 years

=> R's present age =  $\frac{4}{13} \times 117 = 36$  years

Thus, S's present age =  $\frac{2}{3} \times 36 = 24$  years

Let after  $x$  years, the ages of R and S would be in the ratio = 15 : 11

$$\Rightarrow \frac{36+x}{24+x} = \frac{15}{11}$$

$$\Rightarrow 396 + 11x = 360 + 15x$$

$$\Rightarrow 15x - 11x = 396 - 360$$

$$\Rightarrow x = \frac{36}{4} = 9$$

∴ After 9 years, the ages of R and S would be in the ratio of 15 : 11

=> Ans - (A)

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Question 36

From the given alternatives, select the word which CANNOT be formed using the letters of the given word.

Reprehensible

A Repair

B Hen

C Rise

D Ripe

Answer: A

**Explanation:**

The word REPREHENSIBLE does not contain any 'A', thus the term **Repair** cannot be formed.

=> Ans - (A)

**Question 37**

In a certain code language, "FUMIC" is written as "6211393" and "STEAM" is written as "19205113". How is "PROP" written in that code language?

- A 714812
- B 6159134
- C 16181516
- D 1271418

Answer: C

**Explanation:**

The letters are numbered based on their position according to the English alphabetical order. A=1, B=2, C=3, D=4 and so on.

Eg :- FUMIC = 6,21,13,9,3 -> 6211393

STEAM = 19,20,5,1,13 -> 19205113

Similarly, PROP = 16,18,15,16 -> **16181516**

=> Ans - (C)

**Question 38**

In a certain code language, 'x' represents '+', '÷' represents 'x', '-' represents '÷' and '+' represents '-'. Find out the answer to the following question.

$$20 \div 12 - 30 + 10 \times 10 = ?$$

- A 8
- B 25
- C 14
- D 21

Answer: A

**Explanation:**

Expression :  $20 \div 12 - 30 + 10 \times 10 = ?$

$$\equiv 20 \times 12 \div 30 - 10 + 10$$

$$= \left( \frac{240}{30} \right) + (-10 + 10)$$

$$= 8$$

=> Ans - (A)

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**Question 39**

The following equation is incorrect. Which two signs should be interchanged to correct the equation?

$$32 \div 16 - 5 \times 8 + 2 = 13$$

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

**Answer: B**

**Explanation:**

Expression :  $32 \div 16 - 5 \times 8 + 2 = 13$

(A) : + and  $\div$

$$\begin{aligned} \text{L.H.S.} &= 32 + 16 - 5 \times 8 \div 2 \\ &= 48 - \frac{40}{2} = 28 \neq \text{R.H.S.} \end{aligned}$$

(B) : + and  $\times$

$$\begin{aligned} \text{L.H.S.} &= 32 \div 16 - 5 + 8 \times 2 \\ &= 2 - 5 + 16 = 13 = \text{R.H.S.} \end{aligned}$$

=> Ans - (B)

**Question 40**

If  $6@16 = 11$ ,  $2@14 = 8$  and  $8@8 = 8$ , then find the value of  $10@18 = ?$

- A 4
- B 6
- C 12
- D 14

**Answer: D**

**Explanation:**

Given :  $6@16 = 11$ ,  $2@14 = 8$  and  $8@8 = 8$

If we replace '@' with '+', and divide the sum by 2, we get the desired result.

$$\text{Eg :- } \frac{6+16}{2} = 11$$

$$\text{and } \frac{2+14}{2} = 8 \text{ and } \frac{8+8}{2} = 8$$

$$\text{Similarly, } \frac{10+18}{2} = 14$$

=> Ans - (D)

**Question 41**

Which of the following terms follows the trend of the given list?

BAAAAABA, BAAAABAA, BAAABAAA, BAABAAAA, BABAAAAA, \_\_\_\_\_

- A BAAAAAAB
- B BAAAAABA
- C BBAAAAAA
- D BAAAABAA

**Answer: C**

**Explanation:**

Expression : BAAAAABA, BAAAABAA, BAAABAAA, BAABAAAA, BABAAAAA, \_\_\_\_\_.

The pattern followed is that in each term there are combinations of 6 A's and 2 B's in which first letter is always 'B' and the position of second B keeps shifting one place to the left.

Thus, in the missing term, the second term will be 'B' = **BBAAAAAA**

=> Ans - (C)

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**Question 42**

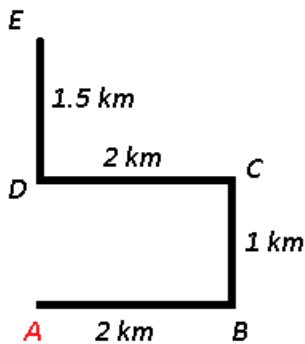
An old man starts his daily walking routine. He walks 2 km East, then turns North and walks 1 km, then turns West and walks 2 km, then turns to his right and walks 1.5 kms. Where is he now with respect to the starting position?

- A 0.5 km North
- B 2.5 km South
- C 0.5 km South
- D 2.5 km North

**Answer: D**

**Explanation:**

Let the old man starts his daily walking routine from point A and walks 2 km East to reach B, then turns North and walks 1 km to point C, then turns West and walks 2 km, finally turns to his right and walks 1.5 kms towards north to stop at point E.



=>  $AE = 1.5 + 1 = 2.5$  km

∴ Now he is **2.5 km north** with respect to the starting position.

=> Ans - (D)

**Question 43**

In the question two statements are given, followed by two conclusions, I and II. You have to consider the statements to be true even if it seems to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follows from the given statements.

**Statement I: No taps are nozzles**

**Statement II: Some valves are taps**

**Conclusion I: All nozzles are valves**

**Conclusion II: All valves are nozzles**

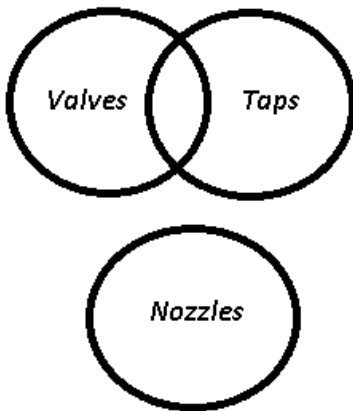
- A Only conclusion I follows
- B Only conclusion II follows

- C Both conclusions I and II follow
- D Neither conclusion I nor conclusion II follows

Answer: D

Explanation:

The venn diagram for above statements is :



Conclusion I: All nozzles are valves = false

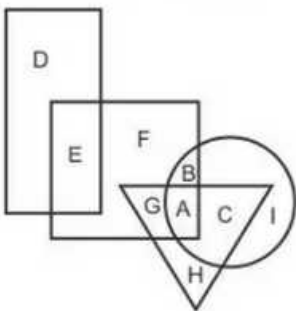
Conclusion II: All valves are nozzles = false

Thus, neither conclusion I nor conclusion II follows.

=> Ans - (D)

Question 44

In the following figure, rectangle represents Hairstylists, circle represents Racers, triangle represents Divers and square represents Fathers. Which set of letters represents Fathers who are Divers?

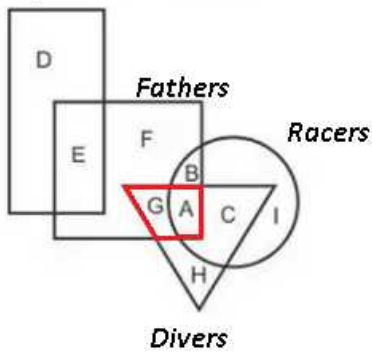


- A BA
- B AC
- C HA
- D GA

Answer: D

Explanation:

**Hairstylists**



Fathers who are Divers are represented by = GA

=> Ans - (D)

## SSC CHSL Free Mock Test

**Question 45**

A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.  
RFT, QDQ, PBN, OZK, ?

- A LVF
- B KUE
- C MWG
- D NXH

**Answer: D**

**Explanation:**

Series : RFT, QDQ, PBN, OZK, ?

The pattern followed in each letter of the terms is :

1st letter : R (-1 letter) = Q (-1 letter) = P (-1 letter) = O (-1 letter) = N

2nd letter : F (-2 letters) = D (-2 letters) = B (-2 letters) = Z (-2 letters) = X

3rd letter : T (-3 letters) = Q (-3 letters) = N (-3 letters) = K (-3 letters) = H

Thus, missing term = **NXH**

=> Ans - (D)

**Question 46**

In the following question, select the missing number from the given series.  
52, 41, 32, 25, ?, 17

- A 21
- B 20
- C 18
- D 19

**Answer: B**

**Explanation:**

Consecutive odd numbers are subtracted in decreasing order.

$$52 - 11 = 41$$

$$41 - 9 = 32$$

$$32 - 7 = 25$$

$$25 - 5 = \mathbf{20}$$

$$20 - 3 = 17$$

=> Ans - (B)

#### Question 47

In the following question, four groups of three numbers are given. In each group the second and third number are related to the first number by a Logic/Rule/Relation. Three are similar on basis of same Logic/Rule/Relation. Select the odd one out from the given alternatives.

A (6, 19, 30)

B (9, 29, 45)

C (11, 34, 55)

D (13, 40, 65)

Answer: B

#### Explanation:

The numbers are of the form :  $(x, 3x + 1, 5x)$

But in the second option, we have  $= 3 \times 9 + 1 = 28 \neq 29$

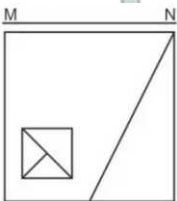
Thus, (9, 29, 45) is the odd one out.

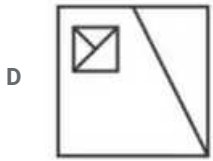
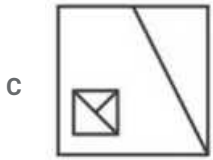
=> Ans - (B)

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#### Question 48

If a mirror is placed on the line MN, then which of the answer figures is the right image of the given figure?





Answer: D

**Explanation:**

A horizontal mirror is placed, so the object on the top will appear at the bottom in reverse position and vice-versa.

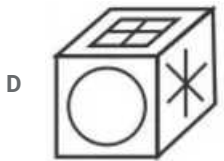
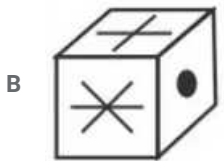
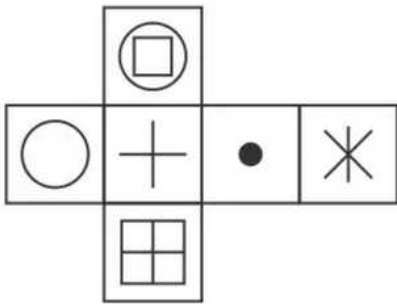
So the slanted line at top right will now start from bottom right, thus the first two options will be eliminated.

Also, in the question figure, the square at bottom left will appear at top left side, hence fourth option is the right image.

=> Ans - (D)

**Question 49**

Which of the following cube in the answer figure cannot be made based on the unfolded cube in the question figure?

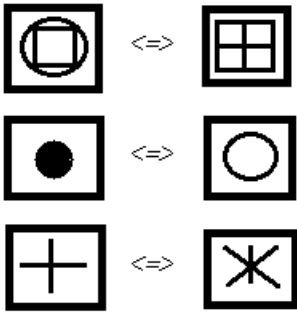


Answer: B

**Explanation:**



When we fold the given figure, the square with a '+' sign will become the base of the cube and the side which has vertical line between 'X' sign will become top, and thus they will face each other. Similarly, the sides which will face each other will be :



Since, the opposite sides cannot be adjacent in the cube, thus the cube in the second option is not possible.

=> Ans - (B)

#### Question 50

A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as shown in the given two matrices. The columns and rows of Matrix-I are numbered from 0 to 4 and that of Matrix-II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, for example IC can be represented by 23,40 etc and 'X' can be represented by 66, 96 etc. Similarly, you have to identify the set for the word 'DUNG'.

Matrix - I

	0	1	2	3	4
0	M	A	E	L	M
1	C	G	M	J	K
2	F	B	I	C	F
3	F	A	L	J	I
4	C	L	D	K	F

Matrix - II

	5	6	7	8	9
5	V	Y	U	S	S
6	P	X	Q	O	R
7	N	V	V	O	Q
8	S	Q	U	T	U
9	Q	X	S	V	Z

- A 31,76,24,96
- B 20,59,41,88
- C 33,68,31,75
- D 42,57,75,11

Answer: D

#### Explanation:

- (A) : 31,76,24,96 = AVFX
- (B) : 20,59,41,88 = FSLT
- (C) : 33,68,31,75 = JOAN
- (D) : 42,57,75,11 = **DUNG**

=> Ans - (D)

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### English

#### Instructions

For the following questions answer them individually

#### Question 51

In the following question, some part of the sentence may have errors. Find out which part of the sentence has an error and select the appropriate option. If a sentence is free from error, select 'No Error'.

Of all the forts (a) that I've visit in India, (b) Daulatabad Fort is my favourite. (c) No error (d)

- A a
- B b
- C c
- D d

Answer: B

## SSC CGL Free Mock Test (Latest Pattern)

### Question 52

In the following question, some part of the sentence may have errors. Find out which part of the sentence has an error and select the appropriate option. If a sentence is free from error, select 'No Error'.

The Bench will also have to say (a) whether the laws are really at consonance with (b) the basic tenets of the 1960 Act. (c) No error (d)

- A a
- B b
- C c
- D d

Answer: B

### Question 53

In the following question, the sentence given with blank to be filled in with an appropriate word. Select the correct alternative out of the four and indicate it by selecting the appropriate option.

A paragraph \_\_\_\_\_ number of sentences grouped together.

- A could be a
- B was a
- C would be
- D is a

Answer: D

### Question 54

In the following question, the sentence given with blank to be filled in with an appropriate word. Select the correct alternative out of the four and indicate it by selecting the appropriate option.

What would you have done if you \_\_\_\_\_ the band?

- A was in
- B is in
- C will be in
- D were in

Answer: D

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

### Question 55

In the following question, out of the given four alternatives, select the one which best expresses the meaning of the given word.

**Carouse**

- A Quaff
- B Grieve
- C Overlook
- D Ignore

Answer: A

### Question 56

In the following question, out of the given four alternatives, select the one which best expresses the meaning of the given word.

**Clement**

- A Irritate
- B Cold
- C Clingy
- D Mild

Answer: D

### Question 57

In the following question, out of the given four alternatives, select the one which is opposite in meaning of the given word.

**Artifice**

- A Truthfulness
- B Trick
- C Skill
- D Scheme

Answer: A

## SSC CHSL Study Material

### Question 58

In the following question, out of the given four alternatives, select the one which is opposite in meaning of the given word.

**Extant**

- A Extinct
- B Present

C Immediate

D Around

Answer: A

**Question 59**

Rearrange the parts of the sentence in correct order.

Sociologists believe

P : that the reason why honour killings

Q : of the continued rigidity of the caste system

R : continue to take place is because

A PRQ

B RQP

C QRP

D PQR

Answer: A

**Question 60**

A sentence has been given in Active/Passive Voice. Out of the four given alternatives, select the one which best expresses the same sentence in Passive/Active Voice.

The mechanic uses old spare parts for the car.

A Old spare parts were used for the car by the mechanic.

B Old spare parts was used for the car by the mechanic.

C Old spare parts is being used for the car by the mechanic.

D Old spare parts are used for the car by the mechanic.

Answer: D

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**Question 61**

A sentence has been given in Direct/Indirect Speech. Out of the four given alternatives, select the one which best expresses the same sentence in Indirect/Direct Speech.

The visitor enquired, "When is the next train?"

A The visitor enquired about the next train.

B The visitor enquired when the next train was.

C The visitor asked when is the next train.

D The visitor was interested in the next train.

Answer: B

**Question 62**

In the following question, a word has been written in four different ways out of which only one is correctly spelt. Select the correctly spelt word.

- A Acquittied
- B Acquitted
- C Ecquited
- D Acqiuteed

**Answer: B**

**Instructions**

In the following passage, some of the words have been left out. Read the passage carefully and select the correct answer for the given blank out of the four alternatives.

Left to itself, then, attention \_\_\_\_\_ obeys natural laws and follows the line of least resistance. \_\_\_\_\_ far the larger portion of our attention is of this type. Thought often runs on hour after hour when we are neither conscious of effort \_\_\_\_\_ struggle to compel us to cease thinking about this thing and begin thinking about \_\_\_\_\_. Indeed, it may be doubted \_\_\_\_\_ this is not the case with some persons for days at a time, instead of hours. The things that present themselves to the mind are the things which occupy it; the character of the thought is determined by the character of our interests.

**Question 63**

Left to itself, then, attention \_\_\_\_\_ obeys natural laws

- A simple
- B simply
- C simplification
- D simplicity

**Answer: B**

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**Question 64**

least resistance. \_\_\_\_\_ far the larger portion

- A By
- B with
- C Along
- D Such

**Answer: A**

**Question 65**

conscious of effort \_\_\_\_\_ struggle to compel

- A no
- B not

C none

D nor

Answer: D

Question 66

thinking about \_\_\_\_\_. Indeed,

A this

B these

C them

D that

Answer: D

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Question 67

be doubted \_\_\_\_\_ this is not the case

A weather

B wither

C wether

D whether

Answer: D

Instructions

For the following questions answer them individually

Question 68

In the following question, out of the four alternatives, select the alternative which best expresses the meaning of the idiom/phrase.

Ring fencing

A The place where the sport of fencing is played by two opponents.

B Doubly protecting your assets.

C Guarantee that funds allocated for a particular purpose will not be spent on anything else.

D Be ready to fight for what is your right.

Answer: C

Question 69

In the following question, out of the four alternatives, select the alternative which best expresses the meaning of the idiom/phrase.

Keep your chin up

A Behave arrogantly in front of elders.

B Keep your self respect at all times.

- C Remain cheerful in difficult circumstances.
- D Pretend to be good when you have an evil plan.

Answer: C

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### Question 70

In the following question, out of the four alternatives, select the alternative which is the best substitute of the words/sentence. Be deprived of property or a right or privilege as a penalty for wrongdoing

- A Forfeited
- B Endow
- C Render
- D Assign

Answer: A

### Question 71

In the following question, out of the four alternatives, select the alternative which is the best substitute of the words/sentence. Absolve someone from blame for a fault or wrongdoing

- A Indict
- B Exonerate
- C Allege
- D Slur

Answer: B

### Question 72

In the following question, out of the four alternatives, select the alternative which will improve the bracketed part of the sentence. In case no improvement is needed, select "no improvement".

He (has to develop) self-confidence, so leave him alone.

- A have to develop
- B are to develop
- C has to developed
- D no improvement

Answer: D

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**Question 73**

In the following question, out of the four alternatives, select the alternative which will improve the bracketed part of the sentence. In case no improvement is needed, select "no improvement".

The music (soothe) me and I stroll on happily.

- A soothing
- B soothes
- C had soothed
- D no improvement

Answer: B

**Question 74**

The question below consists of a set of labelled sentences. Out of the four options given, select the most logical order of the sentences to form a coherent paragraph.

There is an

- A : a telephonic talk could never replicate
- B : instant rapport in the written
- C : communication which the printed message or

- A BAC
- B ACB
- C ABC
- D BCA

Answer: D

**Question 75**

In the following question, four words are given out of which one word is correctly spelt. Select the correctly spelt word.

- A bifurckated
- B biffurcated
- C biffurckated
- D bifurcated

Answer: D

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**General Awareness**

**Instructions**

For the following questions answer them individually

**Question 76**

Voting rights in the IMF are distributed on the basis of \_\_\_\_\_.



- A one country one vote
- B proportion to the share of the income of the country in the world income
- C proportion to contributions given by each country
- D proportion to quota allotted to countries from time to time

**Answer: D**

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### Question 77

The purpose of land reforms was to achieve \_\_\_\_\_.

- A increase in production
- B increase the purchasing power of the rural population
- C ensure distributive justice with economic growth
- D All options are correct.

**Answer: D**

### Question 78

What is called the residual eroded mounds sporadically located in Karst Plains?

- A Monadnock
- B Pediplain
- C Hum
- D No option is correct.

**Answer: C**

### Question 79

Which of the following rivers of peninsular India is distinct from the remaining three?

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

**Answer: A**

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### Question 80

A couple burial was found from which of the following Harappan sites?

- A Mohenjodaro
- B Harappa
- C Chanhudado
- D Lothal

**Answer: D**

**Question 81**

**The Indian Council of 1892 Act was based on which plan?**

- A Northbrook Plan
- B Dufferin Plan
- C Ripon Plan
- D Gladstone Plan

**Answer: B**

**Question 82**

**In which area did Nandalal Bose earn fame?**

- A Painting
- B Folk Art
- C Dance
- D Politics

**Answer: A**

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**Question 83**

**Which country in October 2017 announced to allow women into three sports stadium for the first time from 2018?**

- A UAE
- B Qatar
- C Saudi Arabia
- D Kuwait

**Answer: C**

**Question 84**

**In January 2018, Aziz Ansari became the first Indian-American and first Asian to win a Golden Globe award for which comedy series?**

- A Parent Trap
- B Running North

- C Master of None
- D Gone with the wind

**Answer: C**

**Question 85**

**Who among the following is the author of Sri Lanka's national anthem?**

- A Ananda Samarkone
- B Kumaratunga Munidasa
- C Siri Gunasinghe
- D P.B. Jayasekara

**Answer: A**

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**Question 86**

**Which of the following group does NOT follow Newlands Law of Octaves?**

- A Li, Na
- B Be, Mg
- C C, Si
- D Mn, Hg

**Answer: D**

**Question 87**

**Which of the following is an example of compound?**

- A Manganese
- B Air
- C Ozone
- D Ammonia gas

**Answer: D**

**Question 88**

**Which Schedule of Indian Constitution was added by 73rd Constitutional Amendment Act?**

- A Eight Schedule
- B Ninth Schedule
- C Tenth Schedule
- D Eleventh Schedule

**Answer: D**

## SSC CGL Previous Papers (DOWNLOAD PDF)

### Question 89

In India, which among the following can be amended by Special Majority of Parliament and Consent of States?

- I. Election of President and its manner
- II. Any of the lists in Seventh Schedule
- III. Amendment in Fundamental Right

- A Only I
- B Only II
- C Both I and II
- D All I, II and III

Answer: C

### Question 90

Blood is a connective tissue embedded in which type of intercellular matrix?

- A Jelly like
- B Fluid
- C Dense
- D No option is correct

Answer: B

### Question 91

Slow-growing large coloured patches on the bark of trees are the examples of symbiotic life forms called \_\_\_\_\_.

- A Aphids
- B Egrets
- C Lichens
- D Shrimps

Answer: C

## SSC CGL Free Mock Test (Latest Pattern)

### Question 92

On 17 October 2017, who launched the online Campaign 'women for women : #IAmThatWomen' to end gender bias?

- A Nirmla Sitharan
- B Sushma Swaraj
- C Sonia Gandhi

D Maneka Gandhi

Answer: D

**Question 93**

India was declared free from which infective eye disorder on 9 December, 2017?

- A Blepharitis
- B Chalazia
- C Pinkeye
- D Trachoma

Answer: D

**Question 94**

On 25 October 2017, government announced a recapitalisation plan for state-owned banks. How much amount was announced for Banks' recapitalisation?

- A Rs 3.11 lakh crore
- B Rs 5.1 lakh crore
- C Rs 2.11 lakh crore
- D Rs 7 lakh crore

Answer: C

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

**Question 95**

On 22 November 2017, cabinet approved expansion of "Beti Bacho Beti Padhao" for a Pan India coverage in how many districts of the country?

- A 640
- B 820
- C 1000
- D 1100

Answer: A

**Question 96**

What is the heat generated (in J) in a heating element of resistance  $800 \Omega$  when a current of  $0.2 \text{ A}$  passes through it for 40 seconds?

- A 6400
- B 1280
- C 640
- D 3200

Answer: B

**Question 97**

When an object is thrown vertically upwards, at its maximum height its \_\_\_\_\_.

- A potential energy is zero
- B momentum is maximum
- C kinetic energy is zero
- D gravitational force is maximum

Answer: C

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**Question 98**

\_\_\_\_\_ contributes towards global warming so it is called a greenhouse gas.

- A Oxygen
- B Nitrogen
- C Hydrogen
- D Methane

Answer: D

**Question 99**

Which of the statements given below are correct?

- A) United Arab Emirates hosted the Tennis 2017 ATP World Tour Finals.
- B) In 2017, Per Mertesacker captained the Premier League team Manchester United.
- C) In 2017, Stephen Curry played for the NBA team Golden State Warriors.

- A Only A
- B Only B
- C Only C
- D A, B and C

Answer: C

**Question 100**

In Microsoft Excel, Ctrl+ right arrow key leads to \_\_\_\_\_ cell movement on spreadsheet.

- A End of column
- B End of row
- C One cell Left
- D One cell right

Answer: B

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