



## SSC CHSL 20 March 2018 Afternoon Shift

All rights reserved. No part of this publication may be reproduced, distributed, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, or stored in any retrieval system of any nature without the permission of cracku.in, application for which shall be made to [support@cracku.in](mailto:support@cracku.in)

**Instructions**

For the following questions answer them individually

**Question 1**

$\frac{9}{15}$  of  $\frac{7}{3}$  of a number is greater than  $\frac{7}{12}$  of  $\frac{3}{5}$  of the same number by 7. Find the number.

- A 6.36
- B 6.67
- C 5.67
- D 5.36

**Answer: B**

**Explanation:**

Let the number be  $x$

According to ques,

$$\Rightarrow \left(\frac{9}{15} \times \frac{7}{3} x\right) - \left(\frac{7}{12} \times \frac{3}{5} x\right) = 7$$

$$\Rightarrow \left(\frac{7x}{5}\right) - \left(\frac{7x}{20}\right) = 7$$

$$\Rightarrow \frac{x}{5} - \frac{x}{20} = 1$$

$$\Rightarrow \frac{4x-x}{20} = 1$$

$$\Rightarrow x = \frac{20}{3} = 6.67$$

$\Rightarrow$  Ans - (B)

## 25 SSC CHSL Mocks for just Rs. 149

**Question 2**

The addition of a rational number and its reciprocal is  $\frac{74}{35}$ . Calculate the number.

- A  $\frac{4}{7}$
- B  $\frac{5}{7}$
- C  $\frac{3}{14}$
- D  $\frac{2}{7}$

**Answer: B**

**Explanation:**

Let the fraction be  $x$

According to ques,

$$\Rightarrow x + \frac{1}{x} = \frac{74}{35}$$

$$\Rightarrow \frac{x^2+1}{x} = \frac{74}{35}$$

$$\Rightarrow 35x^2 - 74x + 35 = 0$$

$$\Rightarrow 35x^2 - 49x - 25x + 35 = 0$$

$$\Rightarrow 7x(5x - 7) - 5(5x - 7) = 0$$

$$\Rightarrow (7x - 5)(5x - 7) = 0$$

$$\Rightarrow x = \frac{5}{7}, \frac{7}{5}$$

$\Rightarrow$  Ans - (B)

### Question 3

How many solutions does a pair of linear equations will have, if the equations are  $7x+4y-16=0$  and  $14x+6y-32=0$ ?

A 0

B 1

C 2

D Infinite

Answer: B

### Explanation:

Equations :  $7x+4y-16=0$  and  $14x+6y-32=0$

Comparing the ratio of coefficients of both equations,

$$\Rightarrow \frac{7}{14} \neq \frac{4}{6}$$

Thus, there is only 1 solution.

$\Rightarrow$  Ans - (B)

### Question 4

If  $(x + 1)$  is a factor of  $x^2 - 7qx + 12q = 0$ , then find the possible values of  $q$ .

A  $-\left(\frac{1}{19}\right)$

B  $-19$

C  $\frac{1}{19}$

D  $19$

Answer: A

### Explanation:

Given :  $(x + 1)$  is a factor of  $x^2 - 7qx + 12q = 0$

$\Rightarrow x = -1$  is a solution of above equation.

$$\Rightarrow (-1)^2 - 7q(-1) + 12q = 0$$

$$\Rightarrow 1 + 7q + 12q = 0$$

$$\Rightarrow 19q = -1$$

$$\Rightarrow q = \frac{-1}{19}$$

$\Rightarrow$  Ans - (A)

SSC CHSL Free Mock Test

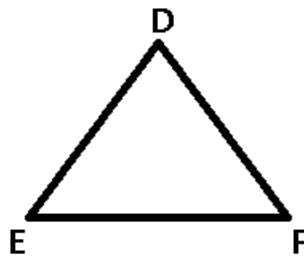
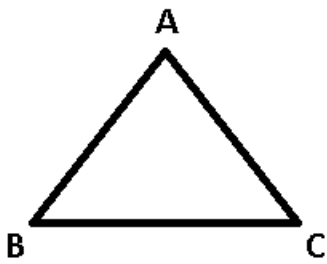
Question 5

If the  $\angle A = \angle D$  and  $\frac{AB}{DE} = \frac{AC}{DF}$  then both triangles ABC and DEF is similar by which of the following criteria?

- A SAS similarity
- B ASA similarity
- C AAA similarity
- D None of these

Answer: A

Explanation:



In  $\triangle ABC$  and  $\triangle DEF$ ,

$$\angle A = \angle D \quad (\text{given})$$

$$\frac{AB}{DE} = \frac{AC}{DF} \quad (\text{given})$$

$\therefore \triangle ABC \sim \triangle DEF$  by SAS similarity.

$\Rightarrow$  Ans - (A)

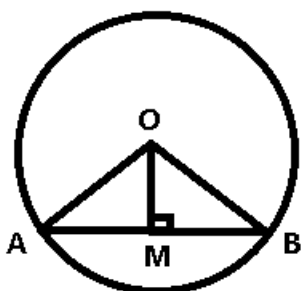
Question 6

The chord of a circle is 10 cm in length and at a distance of  $\frac{10}{\sqrt{3}}$  cm from the centre. Calculate the angle subtended by the chord at the centre of a circle.

- A  $2 \tan^{-1}\left(\frac{\sqrt{3}}{2}\right)$
- B  $\frac{1}{2} \tan^{-1}\left(\frac{\sqrt{3}}{2}\right)$
- C  $\tan^{-1}\left(\frac{\sqrt{3}}{2}\right)$
- D None of these

Answer: A

Explanation:



Given :  $AB = 10$  cm and  $OM = \frac{10}{\sqrt{3}}$  cm

To find :  $\angle AOB = \theta = ?$

Solution : Perpendicular from the centre to the chord bisects the chord,  $\Rightarrow MB = \frac{10}{2} = 5$  cm

Also,  $\angle AOB = 2\angle MOB$

$$\Rightarrow \angle MOB = \frac{\theta}{2} \text{ -----(i)}$$

Now, in  $\triangle OMB$

$$\Rightarrow \tan(\angle MOB) = \frac{MB}{OM}$$

$$\Rightarrow \tan\left(\frac{\theta}{2}\right) = 5 \div \frac{10}{\sqrt{3}}$$

$$\Rightarrow \tan\left(\frac{\theta}{2}\right) = 5 \times \frac{\sqrt{3}}{10}$$

$$\Rightarrow \tan\left(\frac{\theta}{2}\right) = \frac{\sqrt{3}}{2}$$

$$\Rightarrow \frac{\theta}{2} = \tan^{-1}\left(\frac{\sqrt{3}}{2}\right)$$

$$\Rightarrow \theta = 2 \tan^{-1}\left(\frac{\sqrt{3}}{2}\right)$$

$\Rightarrow$  Ans - (A)

### Question 7

The length of a rectangular plot is increased by 60%. By how much percentage its breadth should be decreased so that total area remains same?

A 52.5

B 60

C 40

D 37.5

Answer: D

### Explanation:

Let length of rectangle = 10 and breadth = 8 units

$$\text{Area} = 10 \times 8 = 80 \text{ sq. units}$$

Length is increased by 60%,  $\Rightarrow$  New length =  $10 + \left(\frac{60}{100} \times 10\right) = 16$  units

For area to remain the same, new breadth =  $\frac{80}{16} = 5$  units

$$\Rightarrow \% \text{ decrease in breadth} = \frac{(8-5)}{8} \times 100$$

$$= \frac{300}{8} = 37.5\%$$

$\Rightarrow$  Ans - (D)

## SSC CHSL Previous Papers (DOWNLOAD PDF)

### Question 8

The sum of two numbers is 80 and their difference is 8. What is the ratio of the two numbers?

A 3 : 7

B 5 : 4

C 11 : 9

D 11 : 5

**Answer: C**

**Explanation:**

Let the numbers be  $x$  and  $y$

$$\text{Sum} = x + y = 80 \text{ -----(i)}$$

$$\text{Difference} = x - y = 8 \text{ -----(ii)}$$

$$\text{Adding both equations, } \Rightarrow 2x = 80 + 8 = 88$$

$$\Rightarrow x = \frac{88}{2} = 44$$

$$\text{Similarly, } y = 36$$

$$\therefore \frac{x}{y} = \frac{44}{36}$$

$$\Rightarrow x : y = 11 : 9$$

$\Rightarrow$  Ans - (C)

**Question 9**

**In what ratio must a mixture of 40% acid be mixed with that of 60% acid to get a mixture of 49% acid?**

A 2 : 1

B 3 : 2

C 11 : 9

D 9 : 7

**Answer: C**

**Explanation:**

Let the ratio in which 40% acid be mixed with that of 60% acid =  $x : y$

According to ques,

$$\Rightarrow 40x + 60y = 49(x + y)$$

$$\Rightarrow 40x + 60y = 49x + 49y$$

$$\Rightarrow 49x - 40x = 60y - 49y$$

$$\Rightarrow 9x = 11y$$

$$\Rightarrow \frac{x}{y} = \frac{11}{9}$$

$\therefore$  Required ratio = 11 : 9

$\Rightarrow$  Ans - (C)

**Question 10**

**If the average of 46,  $x$ , 30, 36, 59, 82, 68 and 94 is 56.5, then what is the value of  $x$ ?**

A 40

B 37

C 29

D 23

**Answer: B**

**Explanation:**

$$\text{Sum of numbers} = 46 + x + 30 + 36 + 59 + 82 + 68 + 94 = (x + 415)$$

$$\text{Average of 8 numbers} = \frac{(x+415)}{8} = 56.5$$

$$\Rightarrow x + 415 = 56.5 \times 8$$

$$\Rightarrow x = 452 - 415 = 37$$

$\Rightarrow$  Ans - (B)

## SSC CGL Previous Papers (DOWNLOAD PDF)

**Question 11**

The difference between simple interest on a certain sum at the rate of 8% per annum for 18 months and 24 months is Rs 452. What is the sum (in Rs)?

A 10500

B 14600

C 11300

D 13600

**Answer: C**

**Explanation:**

Let the sum be = Rs.  $100x$

Rate of interest = 8%

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

According to ques,

$$\Rightarrow \left( \frac{100x \times 8 \times 2}{100} \right) - \left( \frac{100x \times 8 \times 1.5}{100} \right) = 452$$

$$\Rightarrow 16x - 12x = 452$$

$$\Rightarrow x = \frac{452}{4} = 113$$

$$\therefore \text{Sum} = 100 \times 113 = \text{Rs. } 11,300$$

$\Rightarrow$  Ans - (C)

**Question 12**

If the loss incurred on selling an article is 23%, then what will be the ratio of its cost price and selling price?

A 100 : 77

B 100 : 23

C 123 : 100

D 77 : 23

**Answer: A**

**Explanation:**

Let cost price = Rs. 100

Loss % = 23%

$$\Rightarrow \text{Selling price} = 100 - \left(\frac{23}{100} \times 100\right) = \text{Rs. } 77$$

$\therefore$  Ratio of its cost price and selling price = 100 : 77

$\Rightarrow$  Ans - (A)

### Question 13

An item is sold at two successive discounts of 20% and 20%. The selling price of article after the two discounts is Rs 1280. If it is sold only at one discount of 30%, then what will be the selling price (in Rs) of the article?

- A 1800
- B 1400
- C 2200
- D 2400

**Answer: B**

#### Explanation:

Let marked price = Rs.  $100x$

$$\text{Price after 1st discount of 20\%} = 100x - \left(\frac{20}{100} \times 100x\right) = \text{Rs. } 80x$$

$$\text{Selling Price after 2nd discount of 20\%} = 80x - \left(\frac{20}{100} \times 80x\right) = \text{Rs. } 64x$$

According to ques,  $\Rightarrow 64x = 1280$

$$\Rightarrow x = \frac{1280}{64} = 20$$

$\therefore$  Marked price =  $100 \times 20 = \text{Rs. } 2000$

$$\text{If it is sold only at one discount of 30\%, then selling price} = 2000 - \left(\frac{30}{100} \times 2000\right)$$

$$= 2000 - 600 = \text{Rs. } 1400$$

$\Rightarrow$  Ans - (B)

## SSC CGL Free Mock Test (Latest Pattern)

### Question 14

If  $x = \frac{\sqrt{5}+1}{\sqrt{5}-1}$  and  $y = \frac{\sqrt{5}-1}{\sqrt{5}+1}$ , then what is the value of  $x-y$ ?

- A 3
- B  $\sqrt{5}$
- C  $2\sqrt{5}$
- D 6

**Answer: B**

#### Explanation:

$$\text{Given : } x = \frac{\sqrt{5}+1}{\sqrt{5}-1} \text{ and } y = \frac{\sqrt{5}-1}{\sqrt{5}+1}$$

To find :  $x - y = ?$

$$\text{Solution} = \left(\frac{\sqrt{5}+1}{\sqrt{5}-1}\right) - \left(\frac{\sqrt{5}-1}{\sqrt{5}+1}\right)$$



$$\begin{aligned} & \frac{(\sqrt{5}+1)^2 - (\sqrt{5}-1)^2}{(\sqrt{5}-1)(\sqrt{5}+1)} \\ &= \frac{(6+2\sqrt{5}) - (6-2\sqrt{5})}{(5-1)} \\ &= \frac{4\sqrt{5}}{4} = \sqrt{5} \end{aligned}$$

=> Ans - (B)

### Question 15

A, B and C can complete a work in 5, 12 and 30 days respectively. In how many days can A, B and C together can do  $\frac{4}{7}$  of the same work?

A  $\frac{269}{109}$

B  $\frac{221}{71}$

C  $\frac{240}{133}$

D  $\frac{348}{117}$

Answer: C

#### Explanation:

Let work done = L.C.M.(5,12,30) = 60 units

A can complete the work in 5 days, => A's efficiency =  $\frac{60}{5} = 12$  units/day

B's efficiency =  $\frac{60}{12} = 5$  units/day

C's efficiency =  $\frac{60}{30} = 2$  units/day

=> (A+B+C)'s 1 day's work =  $(12 + 5 + 2) = 19$  units/day

∴ Time taken to finish  $\frac{4}{7}$  of the same work =  $\frac{4}{7} \times 60 \times \frac{1}{19}$

$$= \frac{240}{133} \text{ days}$$

=> Ans - (C)

### Question 16

A train starts from a place S at 11:00 a.m. and arrives at another place T at 2:30 p.m. on the same day. If the speed of the train is 25 m/s then what will be the distance (in km) covered by the train?

A 345

B 315

C 285

D 365

Answer: B

#### Explanation:

Speed of train = 25 m/s =  $(25 \times \frac{18}{5}) = 90$  km/hr

Time taken by train to travel from S to T = 3.5 hours

Using distance = speed × time

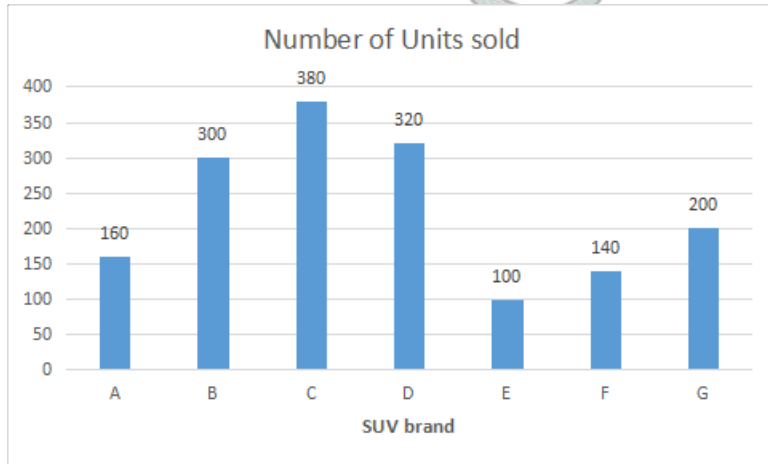
=> Distance (in km) covered by the train =  $90 \times 3.5 = 315$

=> Ans - (B)

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

### Instructions

The bar graph shows the number of SUVs of different brands sold by a dealer in a month. Study the diagram and answer the following questions.



### Question 17

Units sold of which SUV brand were the lowest?

- A F
- B A
- C E
- D C

**Answer:** C

### Explanation:

Units sold of SUV brand E were the lowest = 100

=> Ans - (C)

### Question 18

What is the ratio of units sold of brand G to that of brand A?

- A 5 : 4
- B 4 : 5
- C 11 : 14
- D 14 : 11

**Answer:** A

### Explanation:

Units sold of brand G = 200

Units sold of brand A = 160

=> Required ratio =  $\frac{200}{160} = 5 : 4$

=> Ans - (A)

**Question 19**

Units sold of brand B was lesser than that of brand D by \_\_\_\_\_.

- A 5%
- B 6.67%
- C 6%
- D 6.25%

**Answer: D**

**Explanation:**

Units sold of brand B = 300

Units sold of brand D = 320

$$\Rightarrow \text{Required \%} = \frac{(320-300)}{320} \times 100$$
$$= \frac{20}{320} = 6.25\%$$

$\Rightarrow$  Ans - (D)

**SSC CHSL Study Material**

**Question 20**

If the average price of a SUV sold by the dealer is Rs. 8 lakhs then what is the sales (in Rs lakhs) of all the SUV sold by the dealer in the month?

- A 1280
- B 12000
- C 12800
- D 1200

**Answer: C**

**Explanation:**

Total number of units sold of all brands

$$= 160 + 300 + 380 + 320 + 100 + 140 + 200 = 1600$$

Average price of a SUV sold by the dealer = Rs. 8 lakhs

$$\Rightarrow \text{Sales (in Rs lakhs) of all the SUV sold by the dealer in the month} = 1600 \times 8 = 12800$$

$\Rightarrow$  Ans - (C)

**Instructions**

For the following questions answer them individually

**Question 21**

The length and breadth of a rectangle are 12 cm and 5 cm respectively. What must be the length of its diagonal (in cm)?

- A 13
- B 26
- C 15

D 30

Answer: A

Explanation:

Length of rectangle,  $l = 12$  cm and breadth,  $b = 5$  cm

$$\Rightarrow \text{Diagonal, } d = \sqrt{l^2 + b^2}$$

$$\Rightarrow d = \sqrt{(12)^2 + (5)^2}$$

$$\Rightarrow d = \sqrt{144 + 25} = \sqrt{169}$$

$$\Rightarrow d = 13 \text{ cm}$$

$\Rightarrow$  Ans - (A)

Question 22

The area of a circle is  $38.5 \text{ cm}^2$ . Find its radius (in cm).

A 7

B 6.5

C 3.5

D 13

Answer: C

Explanation:

Let the radius of circle =  $r$  cm

$$\Rightarrow \text{Area} = \pi r^2 = 38.5$$

$$\Rightarrow \frac{22}{7} \times r^2 = 38.5$$

$$\Rightarrow r^2 = 38.5 \times \frac{7}{22} = 12.25$$

$$\Rightarrow r = \sqrt{12.25} = 3.5 \text{ cm}$$

$\Rightarrow$  Ans - (C)

SSC CHSL Free App

Question 23

Find the surface area ( $\text{in cm}^2$ ) of a sphere of diameter 7 cm.

A 154

B 124

C 143

D 155

Answer: A

Explanation:

Radius of sphere,  $r = \frac{7}{2}$  cm

$$\Rightarrow \text{Surface area} = 4\pi r^2$$

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

$$= 22 \times 7 = 154 \text{ cm}^2$$

=> Ans - (A)

#### Question 24

What is the value of  $(\operatorname{cosec}60^\circ + \frac{1}{2})$ ?

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

Answer: C

Explanation:

Expression :  $(\operatorname{cosec}60^\circ + \frac{1}{2})$

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

$$= \frac{(4+\sqrt{3})}{2\sqrt{3}}$$

=> Ans - (C)

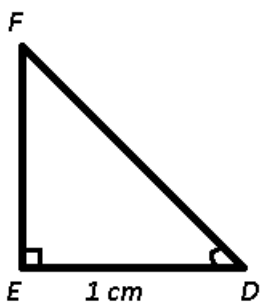
#### Question 25

In  $\triangle DEF$  measure of angle E is  $90^\circ$ . If  $\cos D = \frac{5}{13}$ , and  $DE = 1 \text{ cm}$ , then what is the length (in cm) of side EF?

- A 2.6
- B 2.4
- C 1.5
- D 2

Answer: B

Explanation:



Given :  $DE = 1 \text{ cm}$  and  $\cos D = \frac{5}{13}$

To find :  $EF = ?$

Solution : In right  $\triangle DEF$ ,

$$\Rightarrow \cos(D) = \frac{DE}{DF}$$

$$\Rightarrow \frac{5}{13} = \frac{1}{DF}$$

$$\Rightarrow DF = \frac{13}{5} \times 1 = 2.6 \text{ cm}$$

$$\therefore (DF)^2 = (DE)^2 + (EF)^2$$

$$\Rightarrow (EF)^2 = (2.6)^2 - (1)^2$$

$$\Rightarrow (EF)^2 = 6.76 - 1 = 5.76$$

$$\Rightarrow EF = \sqrt{5.76} = 2.4 \text{ cm}$$

$\Rightarrow$  Ans - (B)

## Daily Free SSC Practice Set

### Reasoning

#### Instructions

For the following questions answer them individually

#### Question 26

Pyramid : Figure :: ? : ?

- A Cone : Triangle
- B Figure : Prism
- C Square : Four
- D Sphere : Figure

**Answer:** D

#### Explanation:

Expression = Pyramid : Figure :: ? : ?

The first comes under the category of second, i.e. pyramids and sphere are 3-D figures.

$\Rightarrow$  Ans - (D)

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

#### Question 27

14 : 17 :: 16 : ?

- A 19
- B 20
- C 22
- D 24

**Answer:** A

#### Explanation:

Expression = 14 : 17 :: 16 : ?

The pattern followed is =  $n : n + 3$

Eg :-  $14 + 3 = 17$

Similarly,  $16 + 3 = 19$

=> Ans - (A)

**Question 28**

**GUN : FTM :: ? : ?**

- A PKR : OJS
- B DTY : CUX
- C DJP : CIO
- D HQA : GPB

**Answer: C**

**Explanation:**

Expression = GUN : FTM :: ? : ?

The pattern followed is :

G	U	N
(-1)	(-1)	(-1)
F	T	M

Similar pattern is observed only in = **DJP : CIO**

D	J	P
(-1)	(-1)	(-1)
C	I	O

=> Ans - (C)

**Question 29**

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

- A Silver - Metal
- B Platinum - Metal
- C Copper - Metal
- D Metal - Nickel

**Answer: D**

**Explanation:**

In above pairs, first is one of the types of metal and second is same as 'metal', hence **Metal - Nickel** is the odd one out.

=> Ans - (D)

## 1500+ Very Important Free SSC Solved Questions

**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 given alternatives.

- A 3 - 9
- B 5 - 25

C 7 - 49

D 10 - 101

**Answer: D**

**Explanation:**

The second number is the square of the first number.

$$(3)^2 = 9$$

$$(5)^2 = 25$$

$$(7)^2 = 49$$

$$(10)^2 = 100 \neq 101$$

=> Ans - (D)

**Question 31**

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

A RLF

B VOI

C WQK

D MGA

**Answer: B**

**Explanation:**

(A) : R (-6 letters) = L (-6 letters) = F

(B) : V (-7 letters) = O (-6 letters) = I

(C) : W (-6 letters) = Q (-6 letters) = K

(D) : M (-6 letters) = G (-6 letters) = A

=> Ans - (B)

**Question 32**

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

1. Shore

2. Shift

3. Shimmer

4. Ship

5. Shiny

A 23541

B 12453

C 25413

D 21453

**Answer: A**

**Explanation:**

As per the order of dictionary :

= Shift -> Shimmer -> Shiny -> Ship -> Shore

≡ 23541



=> Ans - (A)

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

### Question 33

In the following question, select the missing number from the given series.  
56, 65, 81, 106, ?, 191

- A 142
- B 164
- C 138
- D 154

Answer: A

#### Explanation:

Squares of consecutive integers are added.

$$56 + (3)^2 = 65$$

$$65 + (4)^2 = 81$$

$$81 + (5)^2 = 106$$

$$106 + (6)^2 = 142$$

$$142 + (7)^2 = 191$$

=> Ans - (A)

### Question 34

A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.  
YRST, WPQR, UNOP, SLMN, ?

- A QJKL
- B KJLL
- C QJLM
- D KLJM

Answer: A

#### Explanation:

Series : YRST, WPQR, UNOP, SLMN, ?

The pattern followed in each letter of the terms is :

1st letter : Y (-2 letters) = W (-2 letters) = U (-2 letters) = S (-2 letters) = Q

2nd letter : R (-2 letters) = P (-2 letters) = N (-2 letters) = L (-2 letters) = J

3rd letter : S (-2 letters) = Q (-2 letters) = O (-2 letters) = M (-2 letters) = K

4th letter : T (-2 letters) = R (-2 letters) = P (-2 letters) = N (-2 letters) = L

Thus, missing term = **QJKL**

=> Ans - (A)

### Question 35

Rohit is taller than Punit but shorter than Mayank. Rohan is the shortest and Mohan is taller than Rohit but not the tallest. Who is tallest?

- A Rohan
- B Mayank
- C Mohan
- D Rohit

**Answer:** B

**Explanation:**

Rohit is taller than Punit but shorter than Mayank, => Mayank > Rohit > Punit

Mohan is taller than Rohit but not the tallest, => Mayank > Mohan > Rohit > Punit

Also, Rohan is the shortest, hence the arrangement is :

**Mayank > Mohan > Rohit > Punit > Rohan**

∴ Mayank is the tallest.

=> Ans - (B)

**Latest Job Updates on Telegram - Join here**

**Question 36**

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

**Unquestionable**

- A Able
- B Untie
- C Question
- D Nature

**Answer:** D

**Explanation:**

The word UNQUESTIONABLE does not contain any 'R', thus the term **Nature** cannot be formed.

=> Ans - (D)

**Question 37**

In a certain code language, "FRUST" is written as "HTWUV". How is "LUKES" written in that code language?

- A MVNHV
- B NWMGU
- C HUNGM
- D GUHVM

**Answer:** B

**Explanation:**

"FRUST" is written as "HTWUV"

The pattern followed is :

F	R	U	S	T
(+2)	(+2)	(+2)	(+2)	(+2)
H	T	W	U	V

Similarly, for LUKES :

L	U	K	E	S
(+2)	(+2)	(+2)	(+2)	(+2)
N	W	M	G	U

=> Ans - (B)

### Question 38

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

$$11 - 18 + 15 \times 10 \div 6 = ?$$

- A 46
- B 7
- C 47
- D 32

Answer: D

### Explanation:

$$\text{Expression : } 11 - 18 + 15 \times 10 \div 6 = ?$$

$$\equiv 11 + 18 \times 15 \div 10 - 6$$

$$= 11 + (9 \times 3) - 6$$

$$= 5 + 27 = 32$$

=> Ans - (D)

Join SSC Daily Quiz Telegram Group

### Question 39

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

$$2 \times 12 + 15 \div 4 - 14 = 33$$

- A + and x
- B + and ÷
- C - and +
- D ÷ and x

Answer: A

### Explanation:

$$\text{Expression : } 2 \times 12 + 15 \div 4 - 14 = 33$$

(A) : + and x

$$\equiv 2 + 12 \times 15 \div 4 - 14 = 33$$

$$\text{L.H.S.} = 2 + \left(\frac{12}{4} \times 15\right) - 14$$

$$= 2 + 45 - 14 = 33 = \text{R.H.S.}$$

=> Ans - (A)

**Question 40**

If  $11\$9 = 4$ ,  $15\$2 = 26$  and  $15\$5 = 20$ , then find the value of  $17\$8 = ?$

- A 18
- B 10
- C 16
- D 2

**Answer:** A

**Explanation:**

Given :  $11\$9 = 4$ ,  $15\$2 = 26$  and  $15\$5 = 20$

If we replace '\$' with '-', and multiply the difference by 2, we get the desired result.

Eg :-  $(11 - 9) \times 2 = 4$

and  $(15 - 2) \times 2 = 26$  and  $(15 - 5) \times 2 = 20$

Similarly,  $(17 - 8) \times 2 = 18$

=> Ans - (A)

**Question 41**

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

AAAAABAB, AAAABAAB, AAABAAAB, AABAAAAB, ABAAAAAB, \_\_\_\_\_.

- A BAAAAAAB
- B AAAAAABB
- C AAAAABAB
- D AAAABAAB

**Answer:** A

**Explanation:**

Expression : AAAAABAB, AAAABAAB, AAABAAAB, AABAAAAB, ABAAAAAB, \_\_\_\_\_.

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

Thus, in the missing term, the first term will be 'B' = **BAAAAAAB**

=> Ans - (A)

## 25 SSC CHSL Mocks for just Rs. 149

**Question 42**

A luxury yacht starts from the port and sails 35 miles West, then it turns North and sails 10 miles, then it turns East and sails 20 miles, then it turns to its right and sails 10 miles. Where is it with respect to the port from where it started?

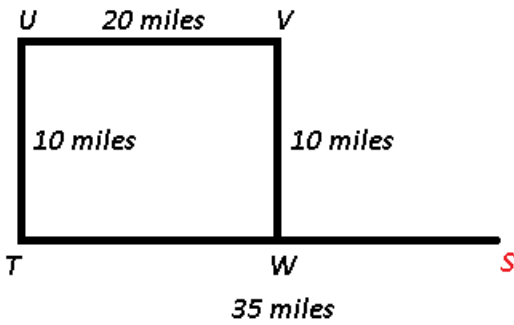
- A 55 miles West
- B 15 miles West
- C 15 miles East

D 55 miles East

Answer: B

**Explanation:**

Let the luxury yacht starts from the port S and sails 35 miles West to reach T, then it turns North and sails 10 miles up until U, then it turns East and sails 20 miles to reach V, finally it turns to its right and sails 10 miles southwards to stop at point W.



=>  $SW = 35 - 20 = 15$  miles

∴ It is 15 miles west with respect to the port from where it started.

=> Ans - (B)

**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:** Some phones are devices

**Statement II:** All mobiles are phones

**Conclusion I:** All devices are mobiles

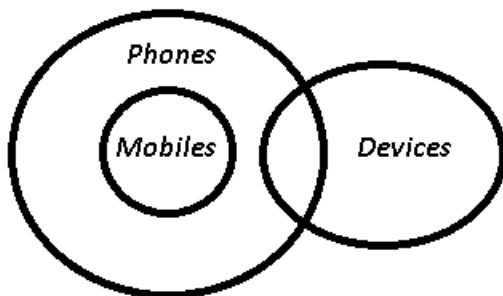
**Conclusion II:** No mobiles are devices

- 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 devices are mobiles = false

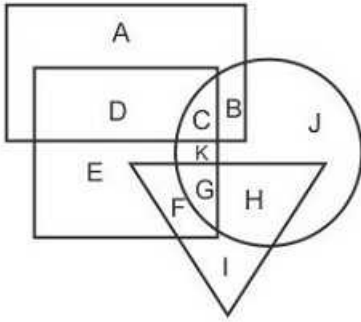
Conclusion II: No mobiles are devices = may or may not be true

Thus, neither conclusion I nor conclusion II follows.

=> Ans - (D)

Question 44

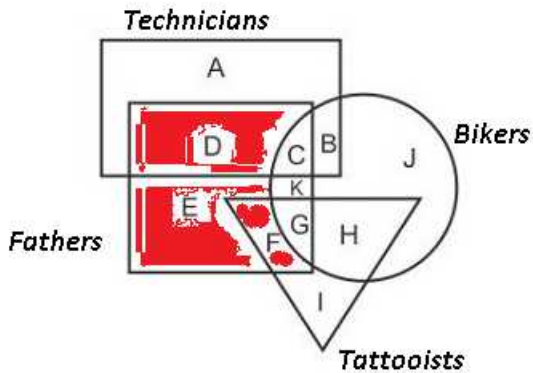
In the following figure, rectangle represents Technicians, circle represents Bikers, triangle represents Tattooists and square represents Fathers. Which set of letters represents Fathers who are not Bikers ?



- A CHG
- B DECK
- C EKGF
- D DEF

Answer: D

Explanation:



Fathers who are not Bikers are represented by = DEF

=> 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. GMJ, LRO, QWT, VBY, ?

- A AGD
- B BFD
- C AFC
- D BGC

Answer: A

Explanation:

Series : GMJ, LRO, QWT, VBY, ?

The pattern followed in each letter of the terms is :

1st letter : G (+5 letters) = L (+5 letters) = Q (+5 letters) = V (+5 letters) = A

2nd letter : M (+5 letters) = R (+5 letters) = W (+5 letters) = B (+5 letters) = G

3rd letter : J (+5 letters) = O (+5 letters) = T (+5 letters) = Y (+5 letters) = D

Thus, missing term = **AGD**

=> Ans - (A)

#### Question 46

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

60, 53, 47, 42, 38, ?

A 40

B 36

C 35

D 32

Answer: C

#### Explanation:

Consecutive integers are subtracted.

$$60 - 7 = 53$$

$$53 - 6 = 47$$

$$47 - 5 = 42$$

$$42 - 4 = 38$$

$$38 - 3 = \mathbf{35}$$

=> Ans - (C)

#### 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 (15, 24, 29)

B (13, 22, 26)

C (53, 62, 66)

D (47, 56, 60)

Answer: A

#### Explanation:

The numbers are of the form :  $(x, x + 9, x + 13)$

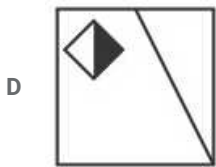
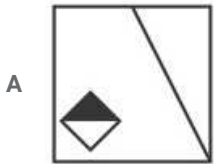
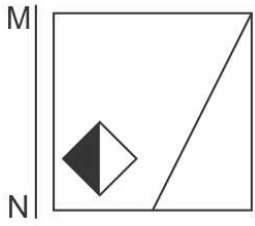
But in the first option, we have =  $15 + 13 = 28 \neq 29$

Thus, (15, 24, 29) is the odd one out.

=> Ans - (A)

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: C

Explanation:

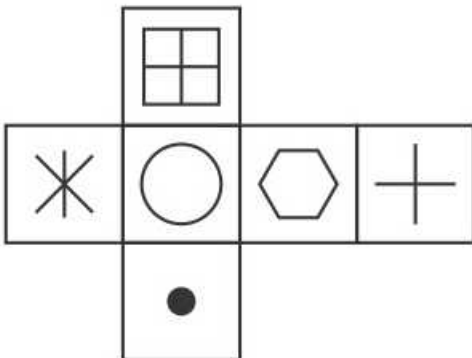
A vertical mirror is placed, so the object on the left will appear right in reverse position and vice-versa.

So the rhombus which is at the bottom left side of square in the question figure will now appear at bottom right side in the vertical position, hence third option is the right image since it is the only one which fits above description.

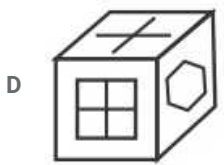
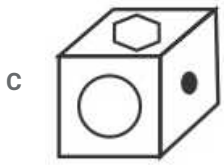
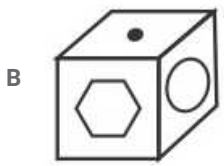
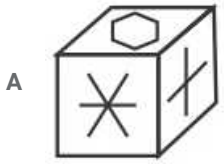
=> Ans - (C)

Question 49

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



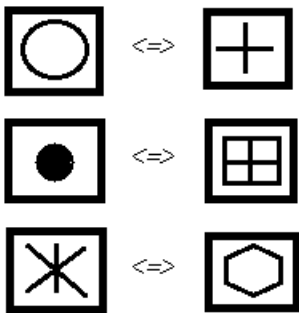




Answer: A

**Explanation:**

When we fold the given figure, the square with a 'circle' sign will become the base of the cube and the side with only '+' 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 first option is not possible.

=> Ans - (A)

**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 can be represented by 31, 23 etc and 'IN' can be represented by 75, 89 etc. Similarly, you have to identify the set for the word 'LAUD'.

**Matrix - I**

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

**Matrix - II**

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

A 20,87,23,59

B 10,85,24,85

C 41,23,55,14

D 32,69,22,79

Answer: C

**Explanation:**

(A) : 20,87,23,59 = EVAZ

(B) : 10,85,24,85 = BRJR

(C) : 41,23,55,14 = **LAUD**

(D) : 32,69,22,79 = KPKT

=> Ans - (C)

## SSC CGL Previous Papers (DOWNLOAD PDF)

### English

#### Instructions

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'.

#### Question 51

Mere adoption of a new technology (a)/ may not be enough to addressing (b)/ India's urban challenges. (c)/ No error (d)

A Mere adoption of a new technology

B may not be enough to addressing

C India's urban challenges

D No error

Answer: B

## SSC CGL Free Mock Test (Latest Pattern)

#### Question 52

Neanderthals used fire to create wooden tools (a)/ for hunting and forage 170,000 years ago (b)/ according to the ancient charred sticks found in Tuscany. (c)/No error (d)

A Neanderthals used fire to create wooden tools

B for hunting and forage 170,000 years ago

C according to the ancient charred sticks found in Tuscany

D No error

Answer: B

#### Instructions

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.

#### Question 53

I believe that I \_\_\_\_ got no right.

- A have
- B has
- C did
- D am

**Answer: A**

**Question 54**

If I \_\_\_\_ you, I would buy this mobile phone.

- A was
- B had been
- C were
- D am

**Answer: C**

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

**Instructions**

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

**Question 55**

**Cavort**

- A Work
- B Frolic
- C Malicious
- D Calculated

**Answer: B**

**Question 56**

**Disavowal**

- A Allow
- B Reject
- C Fracture
- D Disregard

**Answer: B**

**Instructions**

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

**Question 57**

**Contrite**

- A Sorrowful
- B Shameless
- C Sorry
- D Guilty

**Answer: B**

**SSC CHSL Study Material**

**Question 58**

**Languid**

- A Faint
- B Indifferent
- C Lazy
- D Animated

**Answer: D**

**Instructions**

For the following questions answer them individually

**Question 59**

**Rearrange the parts of the sentence in correct order.**

**Deforestation, land clearance and use**

**P : of greenhouse gases in the atmosphere**

**Q : of fossil fuels causes soaring**

**R : which are responsible for global warming**

- A RPQ
- B QPR
- C PQR
- D QRP

**Answer: B**

**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.**

**A hunter whipped the bear.**

- A The bear received whipping by a hunter.
- B The bear whipped by a hunter.

- C The bear is whip by a hunter.
- D The bear was whipped by a hunter.

Answer: D

## SSC CHSL Free App

### 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.

She responds, "I don't eat meat at all."

- A She responds that she does not eat meat at all.
- B She said she doesn't eat meat.
- C She responds that she don't eat meat.
- D She didn't eat meat at all.

Answer: A

### 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 Pereceivee
- B Perceive
- C Perceeve
- D Percieve

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.

According to some philosophers, thinking philosophically is not the same as thinking \_\_\_\_\_. Philosophers have a passionate \_\_\_\_\_ for analytical thinking. On the other hand, most ordinary people do \_\_\_\_\_ have a passionate curiosity when it comes to thinking. What they want is to think logically and arrive at a solution. \_\_\_\_\_ this sense, you do not have to be a philosopher to think philosophically. However, \_\_\_\_\_ you are grappling with a problem of great magnitude, you have to think philosophically.

### Question 63

same as thinking \_\_\_\_\_. Philosophers

- A logical
- B logic
- C logician
- D logically

Answer: D

## Daily Free SSC Practice Set

Question 64

have a passionate \_\_\_\_\_ for analytical thinking.

- A curios
- B curiosity
- C curiosities
- D curiousness

Answer: B

Question 65

ordinary people do \_\_\_\_\_ have a passionate curiosity

- A no
- B nor
- C not
- D none

Answer: C

Question 66

arrive at a solution. \_\_\_\_\_ this sense, you do

- A On
- B In
- C Into
- D Such

Answer: B

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

Question 67

However, \_\_\_\_\_ you are grappling

- A hence
- B if
- C so
- D then

Answer: B

**Instructions**

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

**Question 68**

**Far cry from**

- A It is sad when loved ones are far away.
- B A very sad situation.
- C Very different from.
- D A person at a distance such that even shouting can not be heard.

**Answer: C**

**Question 69**

**Nose around**

- A If you poke your nose in others' affairs it is bound to get bloody.
- B Try to find out information about someone or something.
- C A sharp sense of smell used to its fullest.
- D A sniff of trouble is warning enough.

**Answer: B**

**1500+ Very Important Free SSC Solved Questions**

**Instructions**

In the following question, out of the four alternatives, select the alternative which is the best substitute of the words/sentence.

**Question 70**

**Steal or misappropriate money placed in one's trust**

- A Embezzle
- B Confer
- C Accord
- D Bestow

**Answer: A**

**Question 71**

**Hesitate or be unwilling to accept an idea or undertaking**

- A Sanguine
- B Uppity
- C Valiant
- D Balk

Answer: D

**Instructions**

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".

**Question 72**

She flew in and snatched the fire stick, and before he realised what (have happened), she was up in her tree once again.

- A had happened
- B had happen
- C had happening
- D no improvement

Answer: A

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

**Question 73**

We (are struggling) to measure our success in life with some numbers.

- A is struggling
- B was struggling
- C are struggle
- D no improvement

Answer: D

**Instructions**

For the following questions answer them individually

**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.

All my sympathies lined

A : up for the butterfly and I

B : this damsel in distress

C : decided to be the hero for

- A ABC
- B CBA
- C CAB
- D ACB

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 committing
- B comitting
- C comiting
- D committing

Answer: D

**Latest Job Updates on Telegram - Join here**

### General Awareness

#### Instructions

For the following questions answer them individually

#### Question 76

Which of the following is a characteristic of pure monopoly?

- A one seller of the product
- B low barriers to entry
- C close substitute products
- D perfect information

Answer: A

**Join SSC Daily Quiz Telegram Group**

#### Question 77

When was the first EPZ set up in Kandla?

- A 1965
- B 1970
- C 1975
- D 1995

Answer: A

#### Question 78

Which of the following is NOT a salt water lake?

- A Caspian Sea
- B Lake Baikal
- C Great Salt Lake
- D Lake Van

Answer: D

**Question 79**

**Which lake is located between Hyderabad and Secunderabad?**

- A Rana Pratap Sagar
- B Gandhi Sagar
- C Jawahar Sagar
- D Hussain Sagar

**Answer: D**

**25 SSC CHSL Mocks for just Rs. 149**

**Question 80**

**Who was the founder of the Mughal empire?**

- A Akbar
- B Humayun
- C Babur
- D Alauddin Khilji

**Answer: C**

**Question 81**

**Who of the following Viceroy is related to the Burma war?**

- A Dalhousie
- B Dufferin
- C Dalhousie and Dufferin both
- D No option is correct.

**Answer: C**

**Question 82**

**What did Mahavira Swami add in form of fifth vrata in the Four Mahavrata, which was compiled by Jain Tirthankar Parshvanath?**

- A Non-violence
- B Asteya
- C Aparigraha
- D Brahmacharya

**Answer: D**

**SSC CHSL Free Mock Test**

**Question 83**

In which predominantly Buddhist nation of Asia did Pope Francis, in November 2017, preached a message of forgiveness to a huge crowd?

- A Bhutan
- B Myanmar
- C Thailand
- D Mangolia

**Answer: B**

**Question 84**

Which of the following organisation is winner of "Mother Teresa Memorial Award for Social Justice 2017" for its exceptional work worldwide?

- A United Nations High Commissioner for Refugees (UNHCR)
- B World Health Organisation (WHO)
- C International Campaign to Abolish Nuclear Weapons (ICAN)
- D World Bank (WB)

**Answer: A**

**Question 85**

What is the national tree of Bhutan?

- A Shisham
- B Cypress
- C Ebony
- D Pine

**Answer: B**

**SSC CHSL Prevoius Papers (DOWNLOAD PDF)**

**Question 86**

Which of the following statement are CORRECT?

- I. Metals have the tendency to accept electrons while forming bonds.
- II. In modern periodic table, metallic properties decreases in a period while moving left to right.
- III. In modern periodic table, metallic properties increases while going top to bottom in group.

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

**Answer: C**

**Question 87**

Which one of the following mixture is NOT homogeneous?

- A Methanol and water
- B Alcohol and water
- C Soil
- D Vinegar

**Answer: C**

**Question 88**

The principle of collective responsibility implies that the Lok Sabha can remove the Government i.e., Council of Ministers headed by the Prime Minister from office \_\_\_\_.

- A by censure motion
- B by passing amendment bill
- C by not attending parliamentary session
- D by passing a vote of no confidence

**Answer: D**

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

**Question 89**

Who among the following can direct the states to reserve money bills and other financial bills passed by the state legislature for consideration during a financial emergency in India?

- A Finance Minister of India
- B The Prime Minister of India
- C The President of India
- D The Governor of Reserve Bank of India

**Answer: C**

**Question 90**

The voluntary muscles are also called \_\_\_\_ muscles.

- A Skeletal
- B Smooth
- C Cardiac
- D Unstriated

**Answer: A**

**Question 91**

The thallophytes, the bryophytes and the pteridophytes have naked embryos that are called \_\_\_\_\_.

- A Spores
- B Buds
- C Sprout
- D Cotyledon

**Answer: A**

## SSC CGL Free Mock Test (Latest Pattern)

**Question 92**

In January 2018, 'Electoral Bonds' Scheme was launched. Under this scheme, the electoral bonds will be valid for how many days?

- A 10
- B 20
- C 15
- D 30

**Answer: C**

**Question 93**

Researchers from which institute have developed a low cost piezo resistive vibration sensor using polyurethane foam?

- A Indian Institute of Technology, Delhi
- B Indian Institute of Technology, Kharagpur
- C Indian Institute of Technology, Roorkee
- D Indian Institute of Technology, Bombay

**Answer: D**

**Question 94**

In August 2017, RBI Constituted an Internal Study Group to study the MCLR. This was done to \_\_\_\_\_.

- A to improve corporate policy
- B to improve monetary policy transmission
- C to improve business policy
- D To improve security policy

**Answer: B**

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

Question 95

What was India's rank in the Political Empowerment pillar as per the Global Gender Gap report 2017?

- A 139
- B 112
- C 141
- D 15

Answer: D

Question 96

A body is initially moving with a velocity of 15 m/s. It undergoes an acceleration of  $4 \frac{m}{s^2}$  for 6 seconds. Find the displacement (in m) of this body in these 6 seconds.

- A 18
- B 162
- C 81
- D 36

Answer: B

Question 97

\_\_\_\_\_ is defined as the rate of transfer of energy.

- A Energy
- B Power
- C Force
- D momentum

Answer: B

## SSC CHSL Study Material

Question 98

Chlorination can be done by adding \_\_\_\_\_ to the water.

- A bleaching powder
- B slaked lime
- C baking soda
- D washing soda

Answer: A

**Question 99**

Which of the statements given below are correct?

- A) Roger Federer won the Tennis 2017 ATP World Tour Finals Men's Singles.
- B) Serena Williams won the Tennis 2017 Australian Open Women's Singles.
- C) Canada hosted the 2017 ITTF Men's World Cup.

- A Only B
- B Only C
- C Both B and C
- D No option is correct.

**Answer: A**

**Question 100**

In HTML, \_\_\_\_\_ contains all the content that you wish to present.

- A Header area
- B Menu bar
- C Body of the page
- D Footer area

**Answer: C**

**SSC CHSL Free App**

**25 SSC CHSL Mocks for just Rs. 149**

**SSC CHSL Free Mock Test**

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

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

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

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

**SSC CHSL Study Material**

**SSC CHSL Free App**

**Daily Free SSC Practice Set**

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

**1500+ Very Important Free SSC Solved Questions**

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

**Latest Job Updates on Telegram - Join here**

**Join SSC Daily Quiz Telegram Group**