



## SSC CHSL 7 March 2018 Evening Shift

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**Instructions**

For the following questions answer them individually

**Question 1**

Find the number which is NOT a prime number.

- A 89
- B 87
- C 79
- D 97

**Answer: B**

**Explanation:**

Prime factors of 87 = 3 and 29

Hence, among the given numbers, 87 is not prime.

=> Ans - (B)

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**Question 2**

Which of the following is the largest number among  $\sqrt{2}$ ,  $\sqrt[3]{2}$ ,  $\sqrt{4}$ ,  $\sqrt[3]{5}$

- A  $\sqrt{2}$
- B  $\sqrt[3]{3}$
- C  $\sqrt{4}$
- D  $\sqrt[3]{5}$

**Answer: C**

**Explanation:**

Terms :  $\sqrt{2}$ ,  $\sqrt[3]{2}$ ,  $\sqrt{4}$ ,  $\sqrt[3]{5}$

Here,  $\sqrt{2} < 2$ ,  $\sqrt[3]{2} < 2$  and  $\sqrt[3]{5} < 2$

But,  $\sqrt{4} = 2$

Thus,  $\sqrt{4}$  is the largest.

=> Ans - (C)

**Question 3**

What is the value of  $13 \times 49^2$

- A 4369
- B 4459
- C 4549
- D 4639

**Answer: B**

**Explanation:**

$$\text{Expression} = 13 \times 49^3$$

$$= 13 \times (7^2)^3$$

$$= 13 \times 7^3$$

$$= 13 \times 343 = 4459$$

=> Ans - (B)

**Question 4**

What is the value of  $\frac{a^2+b^2}{a^3-b^3}$  when  $a + b = 8$  and  $a - b = 2$

A 0.313

B 0.347

C 0.368

D 0.381

**Answer: B**

**Explanation:**

Given :  $a + b = 8$  and  $a - b = 2$

Adding both equations, =>  $2a = 8 + 2 = 10$

$$\Rightarrow a = \frac{10}{2} = 5$$

Similarly,  $b = 8 - 5 = 3$

To find :  $\frac{a^2+b^2}{a^3-b^3}$

$$= \frac{(5)^2+(3)^2}{(5)^3-(3)^3}$$

$$= \frac{25+9}{125-27} = \frac{34}{98} \approx 0.347$$

=> Ans - (B)

## SSC CHSL Free Mock Test

**Question 5**

If DE is parallel to BC and bisects the other two sides of the triangle ABC such that the ratio  $\frac{AD}{DB} = \frac{5}{13}$  and the length of the part EC is 26 cm. Then determine the length of AE (in cm).

A 5

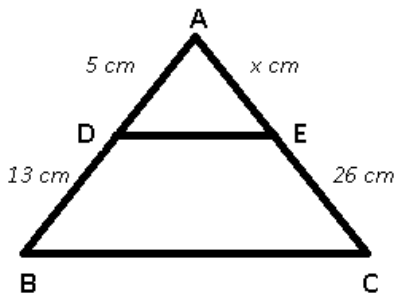
B 10

C 15

D 20

**Answer: B**

**Explanation:**



DE is parallel to BC and let AD = 5 cm and DB = 13 cm

Also, EC = 26 cm and let AE = x cm

$$\Rightarrow \frac{AD}{DB} = \frac{AE}{EC}$$

$$\Rightarrow 13 = \frac{5}{26} (x)$$

$$\Rightarrow x = \frac{5}{13} \times 26 = 5 \times 2 = 10 \text{ cm}$$

=> Ans - (B)

#### Question 6

The diameter of the driving wheel of a cart is 154 cm. Calculate the revolution per minute [RPM] of the wheel in order to keep a speed of 33 Kilo meter per hour.

A 114

B 112

C 110

D 108

Answer: A

#### Explanation:

Diameter of driving wheel = 154 cm

=> Circumference (1 revolution) of wheel =  $2\pi r$

$$= 2 \times \frac{22}{7} \times 77 = 484 \text{ cm}$$

=> In 1 minute, the wheel covers = 4.84 m

Thus, in 1 hour, distance covered =  $4.84 \times 60 = 290.4 \text{ m}$

$\therefore$  In order to keep a speed of 33 km/hr, rpm =  $\frac{33}{0.2904} = 113.63 \approx 114$

=> Ans - (A)

#### Question 7

A number is divided into two parts in such a way that 30% of first part is 25 more than the 20% of second part. 50% of second part is 33.5 more than the 60% of first part. What is the number?

A 1475

B 1655

C 1425

D 1905

Answer: A

#### Explanation:

Let the number be  $100(x + y)$  such that both the parts are  $100x$  and  $100y$

According to ques,

$$\Rightarrow \left(\frac{30}{100} \times 100x\right) - \left(\frac{20}{100} \times 100y\right) = 25$$

$$\Rightarrow 30x - 20y = 25$$

$$\Rightarrow 6x - 4y = 5 \text{ -----(i)}$$

Similarly,  $50y - 60x = 33.5$

$$\Rightarrow 10y - 12x = 6.7 \text{ -----(ii)}$$

Multiplying first equation by '2' and adding both equations,

$$\Rightarrow 10y - 8y = 6.7 + 10$$

$$\Rightarrow 2y = 16.7$$

$$\Rightarrow y = \frac{16.7}{2} = 8.35$$

Similarly,  $6x = 5 + 4(8.35) = 38.4$

$$\Rightarrow x = \frac{38.4}{6} = 6.4$$

$\therefore$  Number =  $100(6.4 + 8.35)$

$$= 100 \times 14.75 = 1475$$

$\Rightarrow$  Ans - (A)

## SSC CHSL Previous Papers (DOWNLOAD PDF)

### Question 8

Two vessels of equal capacity contains juice and water in the ratio of 5 : 1 and 5 : 7 respectively. The mixture of both the vessels are mixed and transferred into a bigger vessel. What is the ratio of juice and water in the new mixture?

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

Answer: B

### Explanation:

Let capacity of each vessel = L.C.M. (6,12) = 12 units

Quantity of juice in first vessel =  $\frac{5}{5+1} \times 12 = 10$  units

$\Rightarrow$  Quantity of water in first vessel =  $12 - 10 = 2$  units

Similarly, juice in second vessel = 5 units and water = 7 units

Now, ratio of juice and water in the new mixture =  $\frac{(10+5)}{(2+7)}$

$$= \frac{15}{9} = \frac{5}{3}$$

$\Rightarrow$  Ans - (B)

### Question 9

In an alloy, aluminium and tin are in the ratio of 4 : 5. In the second alloy, the ratio of same elements is 4 : 7. If equal quantities of these two alloys be mixed to form a new alloy, then what will be the ratio of both of these elements in the new alloy?

- A 2 : 3
- B 16 : 35
- C 4 : 5
- D 40 : 59

**Answer: D**

**Explanation:**

Ratio of aluminium and tin in first alloy = 4 : 5

Ratio of aluminium and tin in second alloy = 4 : 7

Let quantity of both alloys taken = L.C.M. (9,11) = 99 units

$$\Rightarrow \text{Aluminium in first alloy} = \frac{4}{(4+5)} \times 99 = 44 \text{ units}$$

$$\text{Tin present in first alloy} = 99 - 44 = 55 \text{ units}$$

Similarly, aluminium in second alloy = 36 units and tin = 63 units

$$\therefore \text{Ratio of aluminium and tin in the new alloy} = \frac{(44+36)}{(55+63)}$$

$$= \frac{80}{118} = \frac{40}{59}$$

$\Rightarrow$  Ans - (D)

**Question 10**

Among four bags, average weight of last three bags is 18 kg and the average weight of first three bags is 19 kg. If the weight of last bag is 22 kg, then what is the weight (in kg) of first bag?

- A 32
- B 24
- C 33
- D 25

**Answer: D**

**Explanation:**

Let weight of each bag be  $a, b, c$  and 22 kg

Average weight of last three bags = 18 kg

$$\Rightarrow b + c + 22 = 18 \times 3$$

$$\Rightarrow b + c = 54 - 22 = 32 \text{ -----(i)}$$

Also, average weight of first three bags = 19 kg

$$\Rightarrow a + b + c = 19 \times 3 = 57$$

Substituting value from equation (i),  $\Rightarrow a + 32 = 57$

$$\Rightarrow a = 57 - 32 = 25 \text{ kg}$$

$\Rightarrow$  Ans - (D)

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

**Question 11**

A sum becomes Rs 8800 in 4 years at simple interest at the yearly interest rate of 25% per annum. What is the sum (in Rs)?

- A 4400
- B 6600
- C 7040
- D 6400

**Answer: A**

**Explanation:**

Let principal = Rs.  $x$

Rate of interest = 25% and time period = 4 years

=> Amount under simple interest =  $P + \frac{P \times R \times T}{100}$

$$\Rightarrow x + \frac{x \times 25 \times 4}{100} = 8800$$

$$\Rightarrow x + \frac{100x}{100} = 8800$$

$$\Rightarrow x + x = 2x = 8800$$

$$\Rightarrow x = \frac{8800}{2} = \text{Rs. } 4400$$

=> Ans - (A)

**Question 12**

Cost price of an article is Rs 360. If the profit percentage is 32%, then what is the value (in Rs) of profit ?

- A 126.2
- B 108.2
- C 115.2
- D 105.2

**Answer: C**

**Explanation:**

Cost price = Rs. 360

Profit % = 32%

$$\Rightarrow \text{Profit amount} = \frac{32}{100} \times 360$$

$$= \frac{16}{5} \times 36 = \text{Rs. } 115.2$$

=> Ans - (C)

**Question 13**

Rohit buys a ball for Rs 450 and sells it. Rohit gives two successive discount of 20% and 5% to the customer. What will be the selling price (in Rs) of the ball?

- A 342
- B 354
- C 334
- D 362

**Answer: A**

**Explanation:**

Cost price of watch = Rs. 450

Price after 1st discount of 20% =  $450 - \left(\frac{20}{100} \times 450\right) = Rs. 360$

Selling Price after 2nd discount of 5% =  $360 - \left(\frac{5}{100} \times 360\right) = Rs. 342$

=> Ans - (A)

## SSC CGL Free Mock Test (Latest Pattern)

**Question 14**

What is the value of  $\sqrt{2^6 + 15^2}$

A 17

B 19

C 15

D 21

**Answer: A**

**Explanation:**

Expression :  $\sqrt{2^6 + 15^2}$

=  $\sqrt{64 + 225}$

=  $\sqrt{289} = 17$

=> Ans - (A)

**Question 15**

A work can be completed by 18 boys in 24 days. If 6 boys leave after working for 12 days, then how many days will be needed to complete the remaining work?

A 12

B 15

C 18

D 24

**Answer: C**

**Explanation:**

18 boys can complete the work in 24 days.

=> Total work =  $18 \times 24 = 432$  MD (mandays)

Now, 6 boys leave after working for 12 days, => Work done in these 12 days =  $18 \times 12 = 216$  MD

Remaining work =  $432 - 216 = 216$  MD

After 6 boys left, work done per day will be 12 MD

=> Time taken =  $\frac{216}{12} = 18$  days

=> Ans - (C)

**Question 16**

Two trains are moving in the same direction at the speed of 42 km/hr and 84 km/hr, their lengths are 320 metres and 380 metres respectively. What is the time taken (in seconds) by faster train to cross the slower train?



- A 60
- B 80
- C 90
- D 120

**Answer:** A

**Explanation:**

Let time taken =  $t$  seconds

The trains are moving in same direction, thus relative speed =  $84 - 42 = 42$  km/hr =  $(42 \times \frac{5}{18}) = \frac{35}{3}$  m/s

Total distance = sum of lengths of train =  $320 + 380 = 700$  m

Using, time = distance/speed

$$\Rightarrow t = 700 \div \frac{35}{3}$$

$$\Rightarrow t = 700 \times \frac{3}{35} = 60 \text{ seconds}$$

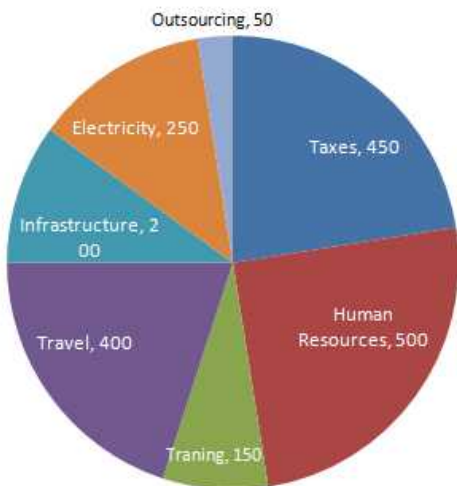
$\Rightarrow$  Ans - (A)

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

**Instructions**

The pie chart shows the breakup of expenditure of a software company for the year 2017. Study the diagram and answer the following questions.

Expenditure in (lakhs)



**Question 17**

The second highest expenditure is for which item ?

- A Taxes
- B Human resources
- C Training
- D Travel

**Answer:** A

**Explanation:**

The second highest expenditure is for **Taxes** = Rs. 450 lakhs

=> Ans - (A)

**Question 18**

What is the total expenditure (in Rs lakhs) ?

- A 2000
- B 1800
- C 2250
- D 2100

**Answer:** A

**Explanation:**

Total expenditure (in Rs lakhs)

$$= 450 + 500 + 150 + 400 + 200 + 250 + 50$$

$$= 2000$$

=> Ans - (A)

**Question 19**

The measure of the central angle of the sector representing Training is \_\_\_\_\_ degrees.

- A 27
- B 30
- C 33
- D 24

**Answer:** A

**Explanation:**

Expenditure in training (in Rs lakhs) = 150

Total expenditure (in Rs lakhs)

$$= 450 + 500 + 150 + 400 + 200 + 250 + 50 = 2000$$

$$\Rightarrow \text{Required central angle} = \frac{150}{2000} \times 360^\circ$$

$$= \frac{3}{4} \times 36 = 27^\circ$$

=> Ans - (A)

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**Question 20**

Expenditure on Outsourcing and Infrastructure constitute what percent of total expenditure?

- A 33.3%
- B 12.5%
- C 15%
- D 10%

**Answer: B**

**Explanation:**

Expenditure on Outsourcing and Infrastructure (in Rs lakhs) =  $50 + 200 = 250$

Total expenditure (in Rs lakhs)

$$= 450 + 500 + 150 + 400 + 200 + 250 + 50 = 2000$$

$$\Rightarrow \text{Required \%} = \frac{250}{2000} \times 100 = 12.5\%$$

$\Rightarrow$  Ans - (B)

**Instructions**

For the following questions answer them individually

**Question 21**

The length of the diagonal and the breadth of a rectangle are 29 cm and 20 cm respectively. Find its perimeter (in cm).

A 164

B 82

C 21

D 42

**Answer: B**

**Explanation:**

Let the length of rectangle =  $l$  cm and breadth,  $b = 20$  cm

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

$$\Rightarrow l^2 = (29)^2 - (20)^2$$

$$\Rightarrow l^2 = 841 - 400 = 441$$

$$\Rightarrow l = \sqrt{441} = 21 \text{ cm}$$

$$\therefore \text{Perimeter} = 2 \times (21 + 20) = 2 \times 41 = 82 \text{ cm}$$

$\Rightarrow$  Ans - (B)

**Question 22**

What is the measure of an exterior angle of a regular polygon of 5 sides?

A 72

B 60

C 45

D 40

**Answer: A**

**Explanation:**

Sum of exterior angles of any polygon =  $360^\circ$

$$\Rightarrow \text{Measure of each exterior angle of regular polygon with 5 sides} = \frac{360^\circ}{5} = 72^\circ$$

$\Rightarrow$  Ans - (A)

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**Question 23**

The total surface area of a cube is 73.5 cm<sup>2</sup>. Find its side (in cm).

- A 3.5
- B 4.5
- C 7.5
- D 5.5

**Answer:** A

**Explanation:**

Let side of cube =  $a$  cm

Total surface area of cube =  $6a^2 = 73.5$

$$\Rightarrow a^2 = \frac{73.5}{6} = 12.25$$

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

$\Rightarrow$  Ans - (A)

**Question 24**

What is the value of  $(\frac{1}{3} - \operatorname{cosec}30^\circ)$  ?

- A  $(\sqrt{6}-1)/\sqrt{3}$
- B  $-1/2$
- C  $-5/3$
- D  $3/2$

**Answer:** C

**Explanation:**

Expression :  $(\frac{1}{3} - \operatorname{cosec}30^\circ)$

$$= (\frac{1}{3} - 2)$$

$$= \frac{(1-6)}{3} = \frac{-5}{3}$$

$\Rightarrow$  Ans - (C)

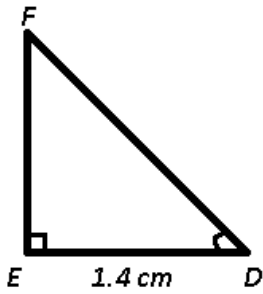
**Question 25**

In  $\triangle DEF$  measure of angle E is  $90^\circ$ . If  $\sec D = 25/7$ , and  $DE = 1.4$ cm, then what is the length (in cm) of side DF?

- A 5
- B 4.8
- C 4
- D 5.6

**Answer:** A

**Explanation:**



Given :  $DE = 1.4 \text{ cm}$  and  $\sec D = \frac{25}{7}$

To find :  $DF = ?$

Solution : In right  $\triangle DEF$ ,

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

$$\Rightarrow \frac{25}{7} = \frac{DF}{1.4}$$

$$\Rightarrow DF = \frac{25}{7} \times 1.4 = 5 \text{ cm}$$

$\Rightarrow$  Ans - (A)

## Daily Free SSC Practice Set

### Reasoning

#### Instructions

For the following questions answer them individually

#### Question 26

In the following question, select the related word pair from the given alternatives. Truth : Lie :: ? : ?

- A Big : Small
- B Pink : Colour
- C Big : Huge
- D Lawyer : Black

Answer: A

#### Explanation:

Expression = Truth : Lie :: ? : ?

The first and second words are opposite of each other, similarly only antonym pair given is *Big : Small*

$\Rightarrow$  Ans - (A)

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#### Question 27

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

5 : 25 :: 6 : ?

- A 39
- B 37
- C 28

D 36

Answer: D

Explanation:

Expression =  $5 : 25 :: 6 : ?$

The pattern followed is =  $n : n^2$

Eg :-  $(5)^2 = 25$

Similarly,  $(6)^2 = 36$

=> Ans - (D)

Question 28

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

FMR : ELQ :: ? : ?

A PEN : QFO

B ZEN : XCL

C TGA : SFZ

D SMP : UOR

Answer: C

Explanation:

Expression = FMR : ELQ :: ? : ?

The pattern followed is :

F	M	R
(-1)	(-1)	(-1)
E	L	Q

Similar pattern is observed only in = TGA : SFZ

T	G	A
(-1)	(-1)	(-1)
S	F	Z

=> Ans - (C)

Question 29

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

A Up - Down

B Big - Small

C Run - Fast

D Lie - Truth

Answer: C

Explanation:

The given pairs are antonyms, i.e. up is the opposite of down, big of small and lie is the opposite of truth. Hence, **Run - Fast** is the odd one out.

=> Ans - (C)



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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 of 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 11 - 144
- B 13 - 196
- C 15 - 246
- D 17 - 324

**Answer: C**

#### Explanation:

If we add one to the first number, and then take the square, we get :

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

$$(13 + 1)^2 = 196$$

$$(15 + 1)^2 = 246$$

$$(17 + 1)^2 = 324$$

=> Ans - (C)

### Question 31

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

- A HS
- B KP
- C GR
- D BY

**Answer: C**

#### Explanation:

The pattern followed is that each letter is followed by the letter at its position, when the alphabets are reversed, i.e. first is replaced by last, second by second last and so on.

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
↓	↓	...																					...	↓	
Z	Y	X	W	V	U	T	S	R	Q	P	O	N	M	L	K	J	I	H	G	F	E	D	C	B	A

H -> S

K -> P

**G -> T**

B -> Y

=> Ans - (C)

**Question 32**

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

1. Read
2. Real
3. Ready
4. Rather
5. Ratify

- A 32415  
B 12543  
C 45123  
D 45132

**Answer:** D

**Explanation:**

As per the order of dictionary :

= Rather -> Ratify -> Read -> Ready -> Real

≡ 45132

=> Ans - (D)

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**Question 33**

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

9, 13, 22, 38, 63, ?

- A 96  
B 99  
C 84  
D 90

**Answer:** B

**Explanation:**

Squares of consecutive integers are added.

$$9 + 2^2 = 13$$

$$13 + 3^2 = 22$$

$$22 + 4^2 = 38$$

$$38 + 5^2 = 63$$

$$63 + 6^2 = 99$$

=> 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. PCK, RFM, TJO, VOQ, ?

- A XVT



- B YVT
- C XUS
- D ZUS

**Answer: C**

**Explanation:**

Series : PCK, RFM, TJO, VOQ, ?

The pattern followed in each letter of the terms is :

1st letter : P (+2 letters) = R (+2 letters) = T (+2 letters) = V (+2 letters) = X

2nd letter : C (+3 letters) = F (+4 letters) = J (+5 letters) = O (+6 letters) = U

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

Thus, missing term = **XUS**

=> Ans - (C)

**Question 35**

In a row of girls, Shweta is 11th from the right end. Mansi is 14th to the left of Shweta. If Mansi is 12th from the left end, then how many girls are there in the row?

- A 40
- B 38
- C 37
- D 36

**Answer: D**

**Explanation:**

Mansi's position from left end = 12th

Shweta is 11th from the right end and Mansi is 14th to the left of Shweta

=> Mansi's position from right end =  $11 + 14 = 25$ th

∴ Total number of girls =  $(25 + 12) - 1 = 36$

=> Ans - (D)

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**Question 36**

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

**Information**

- A From
- B Action
- C Motion
- D Norm

**Answer: B**

**Explanation:**

The word INFORMATION does not contain any 'C', thus the term **Action** cannot be formed.

=> Ans - (B)

**Question 37**

In a certain code language, "TRUMP" is written as "46321" and "GRAIN" is written as "76598". How is "GRUNT" written in that code language?

- A 23684
- B 23847
- C 67834
- D 76384

**Answer: D**

**Explanation:**

Codes for each letter is given :

- G -> 7
- R -> 6
- U -> 3
- N -> 8
- T -> 4

Thus, GRUNT : **76384**

=> Ans - (D)

**Question 38**

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

$$2 \times 12 \div 32 - 5 + 4 = ?$$

- A 17
- B 34
- C 28
- D 30

**Answer: D**

**Explanation:**

Expression :  $2 \times 12 \div 32 - 5 + 4 = ?$

$$\equiv 2 - 12 + 32 \times 5 \div 4$$

$$= -10 + (8 \times 5)$$

$$= -10 + 40 = 30$$

=> Ans - (D)

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**Question 39**

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

$$14 + 8 \div 16 - 9 \times 12 = 10$$

- A + and ÷

B x and +

C + and -

D ÷ and x

**Answer: B**

**Explanation:**

Expression :  $14 + 8 \div 16 - 9 \times 12 = 10$

(A) : + and ÷

$$\equiv 14 \div 8 + 16 - 9 \times 12 = 10$$

$$\text{L.H.S.} = 1.75 + 16 - 108 = -90.25 \neq \text{R.H.S.}$$

(B) : x and +

$$\equiv 14 \times 8 \div 16 - 9 + 12 = 10$$

$$\text{L.H.S.} = 7 + 3 = 10 = \text{R.H.S.}$$

=> Ans - (B)

**Question 40**

If  $-3\%1 = 3$ ,  $3\%6 = -18$  and  $-7\%4 = 28$ , then find the value of  $-2\%9 = ?$

A 47

B -63

C 18

D -30

**Answer: C**

**Explanation:**

Given :  $-3\%1 = 3$ ,  $3\%6 = -18$  and  $-7\%4 = 28$

If we replace '%' with ' $\times$ ' and multiply the product with '-1', then we will get the desired result.

$$\text{Eg :- } (-3 \times 1) \times (-1) = 3$$

$$\text{and } (3 \times 6) \times (-1) = -18$$

$$\text{and } (-7 \times 4) \times (-1) = 28$$

$$\text{Similarly, } (-2 \times 9) \times (-1) = 18$$

=> Ans - (C)

**Question 41**

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

ABABACCB, ABABCCAB, ABACCBAB, ABCCABAB, ACCBABAB, \_\_\_\_\_

A ABABABCC

B CCABABAB

C ABABACCB

D ABABCCAB

**Answer: B**

**Explanation:**

Expression : ABABACCB, ABABCCAB, ABACCBAB, ABCCABAB, ACCBABAB, \_\_\_\_\_.

The pattern followed is that in each term there are 3 combinations of 'AB' and in each term, there are 2 consecutive C's starting from second last position and shifting one place to the left.

Thus, in the missing term, the first two terms will be CC = **CCABABAB**

=> Ans - (B)

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### Question 42

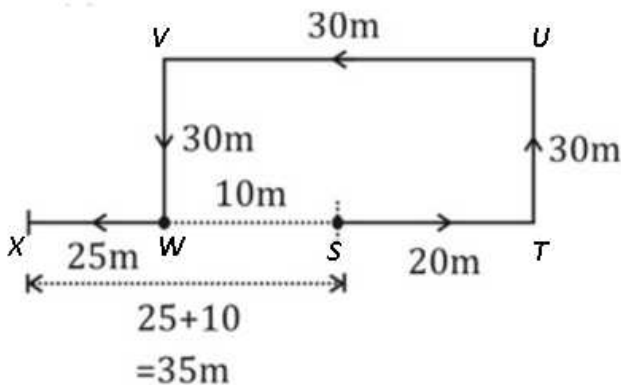
A woman while shopping in a mall pushes her trolley 20 metres through an alley which is going East, then she turns to her left and walks 30 metres, then she turns West and walks another 30 metres, then she turns South and walks 30 metres and then she turns West and walks 25 metres. Where is she now with reference to her starting position?

- A 35 metres West
- B 5 metres West
- C 35 metres East
- D 5 metres East

Answer: A

#### Explanation:

A woman while shopping in a mall pushes her trolley starting from point S 20 metres through an alley which is going East up until T, then she turns to her left and walks 30 metres towards north, then she turns West and walks another 30 metres to reach V, then she turns South and walks 30 metres and to W, finally she turns West and walks 25 metres to stop at point X.



∴ Now she is **35 m west** with reference to her starting position.

=> Ans - (A)

### 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 clocks are watches

Statement II: No ornaments are clocks

Conclusion I: Some watches are ornaments

Conclusion II: All ornaments are watches

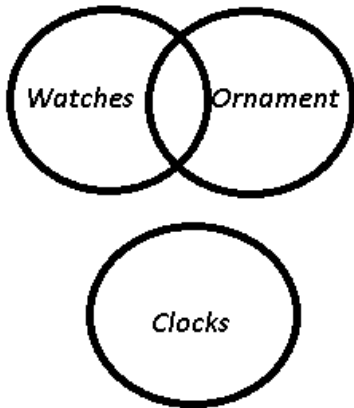
- A Only conclusion I follows
- B Only conclusion II follows
- C Both conclusions I and II follow

D Neither conclusion I nor conclusion II follows

Answer: D

Explanation:

The venn diagram for above statements is :



Conclusion I: Some watches are ornaments = may or may not be true

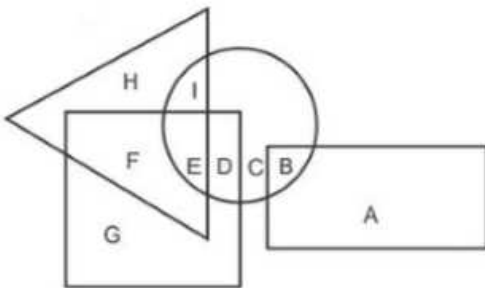
Conclusion II: All ornaments are watches = false

Thus, neither conclusion I nor conclusion II follows.

=> Ans - (D)

Question 44

In the following figure, rectangle represents Plumbers, circle represents Essayists, triangle represents Divers and square represents Asians. Which set of letters represents Asians who are Essayists (who may or may not be driver)?



A EDB

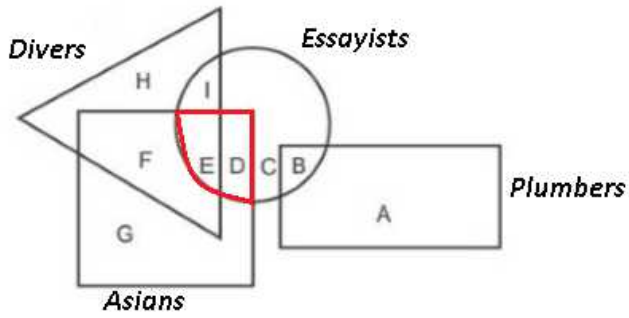
B IED

C ED

D FED

Answer: C

Explanation:



Asians who are Essayists are represented by = ED

=> Ans - (C)

## 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.  
TAP, WDS, ZGV, ?, FMB

- A DJZ
- B CIY
- C CJY
- D DKZ

Answer: C

#### Explanation:

Series : TAP, WDS, ZGV, ?, FMB

The pattern followed in each letter of the terms is :

1st letter : T (+3 letters) = W (+3 letters) = Z (+3 letters) = C (+3 letters) = F

2nd letter : A (+3 letters) = D (+3 letters) = G (+3 letters) = J (+3 letters) = M

3rd letter : P (+3 letters) = S (+3 letters) = V (+3 letters) = Y (+3 letters) = B

Thus, missing term = **CJY**

=> Ans - (C)

### Question 46

In the following question, select the missing number from the given series.  
46, 45, 43, 42, 40, 39, ?

- A 35
- B 36
- C 38
- D 37

Answer: D

#### Explanation:

'1' and '2' are alternatively subtracted.

46 - 1 = 45

$$45 - 2 = 43$$

$$43 - 1 = 42$$

$$42 - 2 = 40$$

$$40 - 1 = 39$$

$$39 - 2 = 37$$

=> Ans - (D)

#### 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 (11, 13, 15)

B (15, 17, 19)

C (21, 23, 25)

D (25, 27 31)

Answer: D

#### Explanation:

The numbers are of the form :  $(x, x + 2, x + 4)$

But in the last option, we have =  $25 + 4 = 29 \neq 31$

Thus, (25, 27 31) is the odd one out.

=> Ans - (D)

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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?



A



B





Answer: B

**Explanation:**

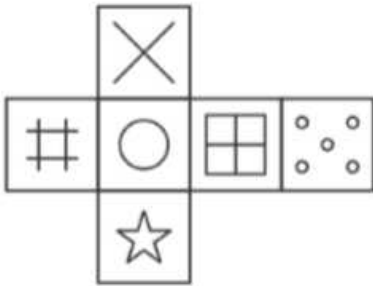
A horizontal mirror is placed, so the object on the top will appear at the bottom in reverse position and vice-versa.

So, the circle which is at top right in the figure, will appear at bottom right in the mirror and also the triangle pointing upwards, will now face downwards, hence second option is right image.

=> Ans - (B)

**Question 49**

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

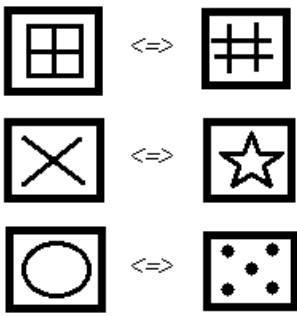


Answer: C

**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 '5 dots' 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 third option is not possible.

=> Ans - (C)

**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 'B' can be represented by 95, 96 etc and 'N' can be represented by 95, 96 etc. Similarly, you have to identify the set for the word 'SALT'.

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

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

- A 34,58,12,89
- B 20,97,41,89
- C 99,30,24,87
- D 33,88,31,89

Answer: C

**Explanation:**

(A) : 34,58,12,89 = DXHX

(B) : 20,97,41,89 = KODX

(C) : 99,30,24,87 = **SALT**

(D) : 33,88,31,89 = CRJX

=> Ans - (C)

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**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**

To who (a)/ did you (b)/ speak last night? (c)/ No error (d)

- A To who

- B did you
- C speak last night
- D No error

Answer: A

## SSC CGL Free Mock Test (Latest Pattern)

### Question 52

The earliest credible evidence of coffee-drinking or knowledge of the coffee tree (a)/ appears in the middle of the fifteenth century (b)/ as evident from the accounts of Ahmed al-Ghaffar in Yemen. (c)/ No error (d)

- A The earliest credible evidence of coffee-drinking or knowledge of the coffee tree
- B appears in the middle of the fifteenth century
- C as evident from the accounts of Ahmed al-Ghaffar in Yemen
- 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

She \_\_\_\_\_ recovering in the hospital.

- A were
- B were to
- C has
- D has been

Answer: D

### Question 54

Our honour and dignity lies in practicing truthfulness and in not being guided by \_\_\_\_\_.

- A brotherhood
- B motherhood
- C falsehood
- D monkhood

Answer: C

**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**

**Judicious**

- A Hasty
- B Reckless
- C Irrational
- D Wise

**Answer: D**

**Question 56**

**Behoove**

- A Behind
- B Bet
- C Necessary
- D Optional

**Answer: C**

**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**

**Illusive**

- A Deceptive
- B Mystery
- C Delusive
- D Factual

**Answer: D**

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**Question 58**

**Demure**

- A Strong
- B Shy
- C Backward
- D Afraid

Answer: A

**Instructions**

For the following questions answer them individually

**Question 59**

Rearrange the parts of the sentence in correct order.

The Greek plays

P : maintain an extremely

Q : particularly the tragedies,

R : high intellectual level

A PQR

B RPQ

C QRP

D QPR

Answer: D

**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. Somebody has stolen my register.

A My register has been stolen.

B My register has been stolen upon.

C My register has stolen by somebody.

D My register has been a steal.

Answer: A

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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. "German is easy to teach", she said.

A She says German is easy.

B She told us that German was easy to teach.

C She informed German was easy to teach.

D She said that German was easy to teach.

Answer: D

**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 Farenheit

- B Fahrenheit
- C Fahrenheight
- D Fahrenhist

**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.

Business is for profits and the spirit of \_\_\_\_\_ and driving high performance are encouraged in a \_\_\_\_\_ environment. Also, in a democratic country like India, perceived \_\_\_\_\_ in the distribution of earnings or wealth is crucial to hold the fabric of its society, be it the citizens \_\_\_\_\_ the country or employees of a corporation. The evolution of compensation practices in India over the \_\_\_\_\_ five decades demonstrates the changes that have taken place.

### Question 63

and the spirit of \_\_\_\_\_ and driving high

- A entrepreneurs
- B entrepreneurship
- C entrepreneur
- D entrepreneurial

**Answer: B**

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### Question 64

encouraged in a \_\_\_\_\_ environment.

- A capitalistic
- B capitalism
- C capital
- D capitalisation

**Answer: A**

### Question 65

India, perceived \_\_\_\_\_ in the distribution

- A duty
- B fairness
- C faith
- D inequity

**Answer: B**

**Question 66**

be it the citizens \_\_\_\_\_ the country

- A from
- B for
- C off
- D of

**Answer: D**

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**Question 67**

India over the \_\_\_\_\_ five decades

- A lastly
- B lasting
- C at last
- D last

**Answer: D**

**Instructions**

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

**Question 68**

**A ray of hope**

- A Even in a very bad situation one should try to see a good thing.
- B Good days are sure to follow difficult ones.
- C Be very happy even if the reason is very small.
- D Something that provides a small amount of optimism in a difficult situation.

**Answer: D**

**Question 69**

**Mind your language**

- A To speak first and think later.
- B To put a lot of efforts to understand what the other person is trying to say.
- C Tell someone to speak politely.
- D To speak grammatically incorrect language.

**Answer: C**

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### Instructions

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

### Question 70

Fix an object firmly and deeply in a surrounding mass

- A Lax
- B Embed
- C Flaccid
- D Asunder

Answer: B

### Question 71

Look forward to

- A Eschew
- B Abstain
- C Obviate
- D Anticipate

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

I could see that the situation (have reversed).

- A had reverse
- B had reversed
- C had reversing
- D no improvement

Answer: B

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### Question 73

Nothing (have prepared) him for a continent that was a country, and a land of terrific complexity.

- A had prepare
- B had prepared

- C had preparing
- D no improvement

Answer: B

**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.

A nation's progress

A-requires many policies, many

B-on many fronts

C-plans, and actions

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

Answer: C

**Question 75**

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

- A proximat
- B proximmate
- C proximate
- D proximmat

Answer: C

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**General Awareness**

**Instructions**

For the following questions answer them individually

**Question 76**

Which of following sectors does NOT come under tertiary sector?

- A Electricity
- B Business Services
- C Transport
- D Trade

Answer: A



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### Question 77

Money in India consists of \_\_\_\_\_.

- A paper currency
- B current deposits
- C Metallic coins
- D All options are correct.

Answer: D

### Question 78

Which of the following items was NOT exportable in the past Gupta period?

- A Iron
- B Gold
- C Tin
- D Silver

Answer: C

### Question 79

In which session of the Congress was the slogan of the Simon Commission's boycott?

- A Calcutta Convention (1928)
- B Madras Session (1927)
- C Surat Session (1907)
- D Nagpur session (1920)

Answer: B

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### Question 80

What is the name of the second layer of the Earth's three concentric layers?

- A SIAL
- B SIMA
- C NIFE
- D No option is correct.

Answer: B

**Question 81**

How did the Lakshadweep islands of group originate?

- A Volcanic origin
- B Soil Deposition
- C Coral origin
- D No option is correct.

**Answer: C**

**Question 82**

Use of an attractive masquerade or mask is associated with which of the following dance style?

- A Kathakali
- B Kuchipudi
- C Odissi
- D Manipuri

**Answer: A**

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**Question 83**

The G-77 is a coalition of developing nation, what was the venue of G-77, 2017 summit?

- A Indonesia
- B Ecuador
- C South Korea
- D Argentina

**Answer: B**

**Question 84**

Who among the following is a recipient of Padma Bhushan for the year 2018 in the Field of Art-Painting?

- A Laxman Pai
- B Arvind Parikh
- C Sharda Sinha
- D Ramachandran Nagaswamy

**Answer: A**

**Question 85**

When was Pakistan's capital Islamabad was built?

- A In the 1940s
- B In the 1950s
- C in the 1960s
- D No option is correct.

Answer: C

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### Question 86

Which statement(s) is/are CORRECT regarding Dalton's Atomic theory?

- I. All matters are made of very tiny particles.
- II. Atoms of different elements have different masses and chemical properties.
- III. The relative number of atoms is variable in any compound.

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

Answer: A

### Question 87

In a combination reaction there can be \_\_\_\_\_.

- I. two or more than two reactants
- II. two or more than two products
- III. only one product

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

Answer: B

### Question 88

Which among the following does NOT hold their office till the pleasure of President?

- A Governor of State
- B Attorney General of India
- C Chief Election Commissioner
- D Prime Minister of India

Answer: C

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Question 89

Who appoints Advocate General of State in India?

- A Governor of State
- B Chief Minister of State
- C Law Minister of State
- D No option is correct.

Answer: A

Question 90

Pancreatic juice require which medium for their action?

- A Acidic
- B Basic
- C Neutral
- D All option are correct.

Answer: B

Question 91

Preserved traces of living organisms retained in the form of impressions of the body parts in the soil are called \_\_\_\_\_.

- A specimen
- B fossils
- C antique
- D phylogeny

Answer: B

## SSC CGL Free Mock Test (Latest Pattern)

Question 92

What does 'J' stand in 'UJALA' scheme being undertaken by the Energy Efficiency Services Limited (EESL)?

- A Jeevan
- B Jyoti
- C Jagriti
- D Jagran

Answer: B

**Question 93**

What are names of two missions to be launched by NASA to explore the ionosphere?

- A SILVER and LOGO
- B BOLD and BRIGHT
- C LEO and GLOBE
- D GOLD and ICON

**Answer: D**

**Question 94**

The central government has set an ambitious target of raising how much amount from disinvestment in 2017-18?

- A Rs 72,500 crore
- B Rs 1,00,000 crore
- C Rs 50,000 crore
- D Rs 25,000 crore

**Answer: A**

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

**Question 95**

On 26 July 2017, the Parliament passed the Collection of Statistics (Amendment) Bill, 2017. The Bill aims at amending the \_\_\_\_\_.

- A Collection of statistics Act, 2008
- B Collection of statistics Act, 2015
- C Collection of statistics Act, 2010
- D Collection of statistics Act, 2012

**Answer: A**

**Question 96**

What is the heat released by a heating filament rated 20 W when it is kept on for 2 seconds?

- A 40
- B 10
- C 80
- D 20

**Answer: A**

**Question 97**

If the Distance-Time graph is a curve then it represents \_\_\_\_\_.

- A uniform speed
- B constant displacement
- C uniform momentum
- D non-uniform speed

Answer: B

## SSC CHSL Study Material

### Question 98

The centre of a cyclone is a calm area, it is called the \_\_\_\_\_ of the storm.

- A point
- B needle
- C eye
- D limit

Answer: C

### Question 99

Which of the statements given below are correct?

- A) Roger Federer won the Tennis 2017 French Open Men's Singles.
- B) In 2018 IPL auctions, Rajasthan Royals retained Steve Smith.
- C) Serena Williams won the Tennis 2017 French Open Women's Singles.

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

Answer: A

### Question 100

In Microsoft Word, \_\_\_\_\_ view shows how the document would look when it is printed.

- A Web Layout
- B Normal Layout
- C Reading Layout
- D Print Layout

Answer: B

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