



## SSC CHSL 7 March 2018 Afternoon Shift

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**Instructions**

For the following questions answer them individually

**Question 1**

The length of a string is 8 feet and 9 inches, which is divided into 3 equal parts. What is the length of each part in inches?

- A 31
- B 33
- C 35
- D 37

**Answer:** C

**Explanation:**

1 feet = 12 inches

Length of string = 8 feet 9 inches =  $8 \times 12 + 9 = 105$  inches

=> Length of each part =  $\frac{105}{3} = 35$  inches

=> Ans - (C)

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**Question 2**

Determine the largest 4 digit number which is a perfect square.

- A 9999
- B 9702
- C 9604
- D 9801

**Answer:** D

**Explanation:**

9999 is the largest 4 digit number and  $100^2 = 10000$

This means that the closest square root of the largest perfect square is most likely 99. So  $99^2 = 9801$  is the largest perfect square of four digits.

=> Ans - (D)

**Question 3**

Shaan got a total of Rs. 912 in the denomination of equal numbers of Rs. 1, Rs. 5 and Rs. 10 coins. How many coins do Shaan possess?

- A 16
- B 57
- C 171
- D 323

**Answer:** C

**Explanation:**

Let there are  $x$  type of each coin.

$$\text{Total amount} = (x \times 1) + (x \times 5) + (x \times 10) = 912$$

$$\Rightarrow x + 5x + 10x = 912$$

$$\Rightarrow x = \frac{912}{16} = 57$$

$\therefore$  Total number of coins of each denomination =  $57 \times 3 = 171$

$\Rightarrow$  Ans - (C)

**Question 4**

Two whole numbers are such that the square of first number exceeds the second by 112 and the ratio of the numbers is 4:3. What is the value of smaller number?

A 3

B 4

C 12

D 36

**Answer: C**

**Explanation:**

Let the numbers be  $4x$  and  $3x$

According to ques,

$$\Rightarrow (4x)^2 - (3x)^2 = 112$$

$$\Rightarrow 16x^2 - 9x^2 = 7x^2 = 112$$

$$\Rightarrow x^2 = \frac{112}{7} = 16$$

$$\Rightarrow x = \sqrt{16} = 4$$

$\therefore$  Smaller number =  $3 \times 4 = 12$

$\Rightarrow$  Ans - (C)

## SSC CHSL Free Mock Test

**Question 5**

Choose the CORRECT option about the two tangents drawn to the circle from the external point?

1. The tangents subtend equal angles at the centre of the circle.
2. The tangents drawn from the external point to a circle are equal in length.
3. The tangents are equally inclined to the segment which joins the centre to that point.

A 1 and 2 only

B 2 and 3 only

C 1, 2 and 3

D 1 and 3 only

**Answer: C**

**Explanation:**

The tangents subtend equal angles at the centre of the circle. The tangents drawn from the external point to a circle are equal in length.

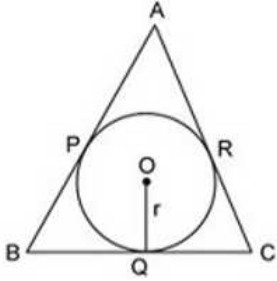
They are equally inclined to the segment which joins the centre to that point.

Thus, all are correct.

=> Ans - (C)

### Question 6

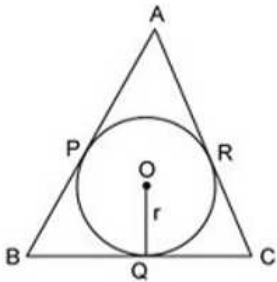
Consider the figure shown below which consists of the triangle ABC which touches the circle with centre at O. Which of the following options is CORRECT ?



- A  $AB - CQ = AC + BQ$
- B  $AB + CQ = AC + BQ$
- C  $AB + CQ = AC - BQ$
- D None of the above

Answer: B

Explanation:



The tangents drawn from same point to a circle are equal in length.

$$\Rightarrow AP = AR, BP = BQ, CQ = CR$$

Adding above equations, we get :

$$\Rightarrow (AP + BP) + CQ = (AR + CR) + BQ$$

$$\Rightarrow AB + CQ = AC + BQ$$

=> Ans - (B)

### Question 7

If price of oranges is increased by 30%, then a person can buy 12 oranges less for Rs 208. What is the original price (in Rs) of an orange?

- A 2
- B 4
- C 8
- D 3

Answer: B

**Explanation:**

Let price of oranges = Rs.  $100x$  per kg

$$\text{Oranges bought for Rs. 208} = \frac{208}{100x}$$

$$\text{New price of oranges} = 100x + \left(\frac{30}{100} \times 100x\right) = \text{Rs. } 130x$$

$$\text{Oranges bought for Rs. 208} = \frac{208}{130x}$$

According to ques,

$$\Rightarrow \frac{208}{100x} - 12 = \frac{208}{130x}$$

$$\Rightarrow \frac{208}{100x} - \frac{208}{130x} = 12$$

$$\Rightarrow 208 \left( \frac{1}{100x} - \frac{1}{130x} \right) = 12$$

$$\Rightarrow \frac{130x - 100x}{100x \times 130x} = \frac{12}{208}$$

$$\Rightarrow \frac{30}{13000x} = \frac{3}{52}$$

$$\Rightarrow x = \frac{3}{1300} \times \frac{52}{3}$$

$$\Rightarrow x = \frac{52}{1300} = \frac{1}{25}$$

$$\therefore \text{Original price} = 100 \times \frac{1}{25} = \text{Rs. } 4$$

$\Rightarrow$  Ans - (B)

## SSC CHSL Previous Papers (DOWNLOAD PDF)

### Question 8

Of three positive numbers, the ratio of first and second is 5: 2, ratio of second and third is 5: 4. The product of first and third is 1800. What is the sum of the three numbers?

- A 43
- B 133
- C 119
- D 129

**Answer:** D

**Explanation:**

Let the numbers be  $x, y, z$

$$\text{Thus, } x : y = 5 : 2 \text{ -----(i)}$$

$$\text{and } y : z = 5 : 4 \text{ -----(ii)}$$

Multiplying equation (i) by 5 and equation (ii) by 2

$$\Rightarrow x : y : z = 25 : 10 : 8$$

$$\text{Let } x = 25k, y = 10k \text{ and } z = 8k$$

$$\Rightarrow \text{Product} = 25k \times 8k = 1800$$

$$\Rightarrow k^2 = \frac{1800}{200} = 9$$

$$\Rightarrow k = \sqrt{9} = 3$$

$$\therefore \text{Sum of three numbers} = 25k + 10k + 8k = 43k$$

$$= 43 \times 3 = 129$$

=> Ans - (D)

**Question 9**

The ratio of milk and water in three samples is 1: 3, 3: 5 and 11: 5. A mixture containing equal quantities of all three samples is made. What will be the ratio of milk and water in the new mixture?

- A 7: 9
- B 5: 7
- C 15: 13
- D 9: 11

**Answer: A**

**Explanation:**

Let quantity of each sample is L.C.M. (4,8,16) = 16 unit

=> Milk in first sample =  $\frac{1}{(1+3)} \times 16 = 4$  unit

and water in first sample =  $16 - 4 = 12$  units

Similarly, milk in second sample =  $\frac{3}{(3+5)} \times 16 = 6$  units and water =  $16 - 6 = 10$  units

Milk in third sample =  $\frac{11}{(11+5)} \times 16 = 11$  units and water =  $16 - 11 = 5$  units

∴ Ratio of milk and water in the new mixture =  $\frac{(4+6+11)}{(12+10+5)}$

$$= \frac{21}{27} = \frac{7}{9}$$

=> Ans - (A)

**Question 10**

Average of 31 numbers is 19. If the average of first 8 numbers is 24, then what is the average of the remaining numbers?

- A 17.26
- B 23.25
- C 26.2
- D 25.45

**Answer: A**

**Explanation:**

Average of 31 numbers = 19

=> Sum of 31 numbers =  $19 \times 31 = 589$

Average of first 8 numbers = 24

=> Sum of first 8 numbers =  $24 \times 8 = 192$

Thus, sum of remaining (31-8) 23 numbers =  $589 - 192 = 397$

∴ Required average =  $\frac{397}{23} = 17.26$

=> Ans - (A)

**Question 11**

Simple interest on a sum for 5 years is equal to 20% of the principal. In how many years interest will be equal to the principal?

- A 20
- B 25
- C 15
- D 16

**Answer: B**

**Explanation:**

Let principal amount = Rs.  $100x$

$$\Rightarrow \text{Simple interest} = \frac{20}{100} \times 100x = \text{Rs. } 20x$$

Let rate of interest =  $r\%$  and time period = 5 years

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

$$\Rightarrow \frac{100x \times r \times 5}{100} = 20x$$

$$\Rightarrow r = \frac{20}{5} = 4\%$$

Let the interest will be equal to the principal in =  $t$  years at 4% rate

$$\Rightarrow \frac{100x \times 4 \times t}{100} = 100x$$

$$\Rightarrow t = \frac{100}{4} = 25 \text{ years}$$

$\Rightarrow$  Ans - (B)

**Question 12**

The ratio of selling price to the cost price is 13:17. What is the loss percentage?

- A 23.52
- B 27.74
- C 18.62
- D 19.45

**Answer: A**

**Explanation:**

Let Cost price = Rs. 17 and selling price = Rs. 13

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

$$= \frac{(17 - 13)}{17} \times 100$$

$$= \frac{400}{17} = 23.52\%$$

$\Rightarrow$  Ans - (A)

**Question 13**

Puneet purchases 5 dozens of oranges at the rate of Rs 120 per dozen. He sold each one of them at the rate of Rs 11.5. What is the profit (in percentage) of Puneet?

- A 18

- B 30
- C 12
- D 15

Answer: D

Explanation:

Cost of 1 dozen oranges = Rs. 120

=> Cost of 5 dozen oranges =  $120 \times 5 = \text{Rs. } 600$

=> Cost of 1 orange =  $\frac{600}{5 \times 12} = \text{Rs. } 10$

Selling price of 1 orange = Rs. 11.5

=> Profit % =  $\frac{(11.5-10)}{10} \times 100$

=  $1.5 \times 10 = 15\%$

=> Ans - (D)

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Question 14

What is the simplified value of  $\sqrt{18} - \frac{1}{\sqrt{2}}$ ?

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

Answer: A

Explanation:

Expression :  $\sqrt{18} - \frac{1}{\sqrt{2}}$

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

=  $\frac{6-1}{\sqrt{2}} = \frac{5}{\sqrt{2}}$

=> Ans - (A)

Question 15

Some carpenters promised to do a job in 15 days but 3 of them were absent and remaining did the job in 20 days. What was the original number of carpenters?

- A 10
- B 15
- C 12
- D 14

Answer: C

Explanation:



Let original number of carpenters =  $x$

Using,  $M_1D_1 = M_2D_2$

$$\Rightarrow x \times 15 = (x - 3) \times 20$$

$$\Rightarrow 15x = 20x - 60$$

$$\Rightarrow 20x - 15x = 60$$

$$\Rightarrow x = \frac{60}{5} = 12$$

$\therefore$  Original number of carpenters = 12

$\Rightarrow$  Ans - (C)

#### Question 16

A truck moves at the speed of 90 km/hr after repairing and moves at the speed of 80 km/hr before repairing. It covers  $x$  distance in 8 hours after repairing. How much time (in hours) will it take to cover  $4x$  distance before repairing?

A 48

B 40

C 36

D 28

Answer: C

#### Explanation:

Speed of truck after repairing = 90 km/hr

Distance covered in 8 hours after repairing =  $x$  km

Using, speed = distance/time

$$\Rightarrow 90 = \frac{x}{8}$$

$$\Rightarrow x = 90 \times 8 = 720 \text{ km}$$

Speed of truck before repairing = 80 km/hr

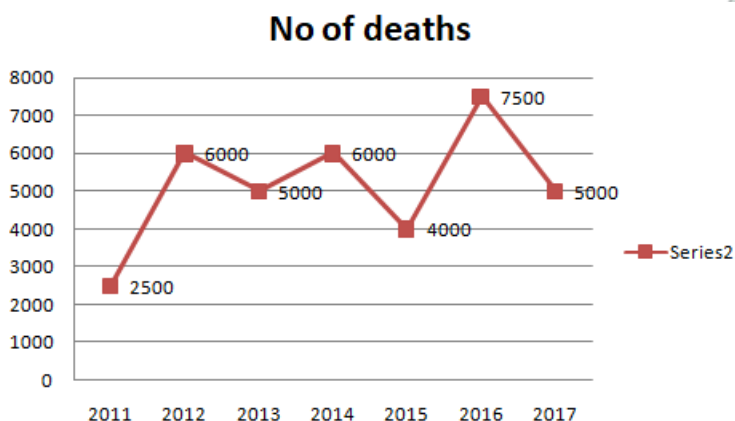
$$\text{Now, time taken (in hours) to cover } 4x \text{ km before repairing} = \frac{4 \times 720}{80} = 36$$

$\Rightarrow$  Ans - (C)

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

#### Instructions

The line graph shows the number of deaths due to road accidents in a certain state. Study the diagram and answer the following questions.



Year

**Question 17**

In which year were the number of deaths lesser than that of the previous year?

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

**Answer:** A

**Explanation:**

In **2013**, 2015 and 2017, the number of deaths were lesser than that of the previous year.

=> Ans - (A)

**Question 18**

What was the difference in the number of deaths between the years 2011 and 2013?

- A 3500
- B 2000
- C 2500
- D 3000

**Answer:** C

**Explanation:**

Number of deaths in 2013 = 5000

Number of deaths in 2011 = 2500

=> Required difference =  $5000 - 2500 = 2500$

=> Ans - (C)

**Question 19**

The number of deaths in 2014 were greater than that in 2017 by \_\_\_\_\_.

- A 50%
- B 40%
- C 20%
- D 14.2%

**Answer:** C

**Explanation:**

Number of deaths in 2014 = 6000

Number of deaths in 2017 = 5000

=> Required % =  $\frac{(6000-5000)}{5000} \times 100$

=  $\frac{1000}{5000} \times 100 = 20\%$

=> Ans - (C)

## SSC CHSL Study Material

### Question 20

If on an average Rs 50 lakhs was paid as insurance for each death due to a road accident, then how much insurance was paid (in Rs crore) in the year 2016?

- A 3750
- B 4750
- C 3250
- D 4250

**Answer:** A

#### **Explanation:**

Number of deaths in 2016 = 7500

Average insurance on each death = Rs. 50 lakhs

=> Insurance paid (in Rs crore) in the year 2016 =  $7500 \times 0.5 = 3750$

=> Ans - (A)

#### **Instructions**

For the following questions answer them individually

### Question 21

The side of an equilateral triangle is 14 cm. Find its area in  $cm^2$

- A  $64\sqrt{3}$
- B  $49\sqrt{2}$
- C  $64\sqrt{2}$
- D  $49\sqrt{3}$

**Answer:** D

#### **Explanation:**

Side of equilateral triangle =  $s = 14$  cm

=> Area =  $\frac{\sqrt{3}}{4} s^2$

=  $\frac{\sqrt{3}}{4} \times (14)^2$

=  $\sqrt{3} \times 7 \times 7 = 49\sqrt{3} cm^2$

=> Ans - (D)

### Question 22

If the perimeter of a semi-circle is 36 cm, then find its radius (in cm).

- A 7
- B 14
- C 13

D 26

Answer: A

Explanation:

Let radius of semi circle =  $r$  cm

$\Rightarrow$  Perimeter of semi circle =  $\pi r + 2r = 36$

$$\Rightarrow r\left(\frac{22}{7} + 2\right) = 36$$

$$\Rightarrow r\left(\frac{22+14}{7}\right) = 36$$

$$\Rightarrow r = 36 \times \frac{7}{36}$$

$$\Rightarrow r = 1 \times 7 = 7 \text{ cm}$$

$\Rightarrow$  Ans - (A)

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Question 23

Find the curved surface area in  $cm^2$  of a right circular cylinder of diameter 28 cm and height 12 cm.

A 968

B 924

C 856

D 1056

Answer: D

Explanation:

Radius of cylinder,  $r = \frac{28}{2} = 14$  cm and height,  $h = 12$  cm

$\Rightarrow$  Curved surface area of cylinder =  $2\pi rh$

$$= 2 \times \frac{22}{7} \times 14 \times 12$$

$$= 88 \times 12 = 1056 \text{ cm}^2$$

$\Rightarrow$  Ans - (D)

Question 24

What is the value of  $(\tan 30^\circ - \frac{\sqrt{3}}{2})$  ?

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

B  $\frac{2\sqrt{3}-\sqrt{6}}{2\sqrt{2}}$

C  $(2 - \sqrt{3})/2$

D  $\frac{1}{\sqrt{6}}$

Answer: A

Explanation:

Expression :  $\tan(30^\circ) - \frac{\sqrt{3}}{2}$

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

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

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

=> Ans - (A)

#### Question 25

$\triangle DEF$  is right angled at E. If  $\cot D = 5/12$ , then what is the value of  $\sin F$  ?

A 5/12

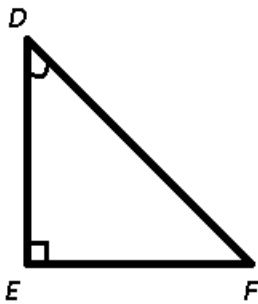
B 13/5

C 5/13

D 13/12

Answer: C

Explanation:



Given :  $\cot D = \frac{5}{12}$

Also,  $\cot D = \frac{DE}{EF} = \frac{5}{12}$

Let  $DE = 5$  cm and  $EF = 12$  cm

Thus, in  $\triangle DEF$ ,  $\Rightarrow (DF)^2 = (DE)^2 + (EF)^2$

$$\Rightarrow (DF)^2 = (5)^2 + (12)^2$$

$$\Rightarrow (DF)^2 = 25 + 144 = 169$$

$$\Rightarrow DF = \sqrt{169} = 13 \text{ cm}$$

To find :  $\sin F = \frac{DE}{DF}$

$$= \frac{5}{13}$$

=> Ans - (C)

## 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. Lion: Den:: ? : ?

- A Horse: Stable
- B Cow: Grass
- C Lion: Carnivorous
- D Rabbit: Carrot

**Answer: A**

**Explanation:**

Expression = Lion: Den:: ? : ?

The first is the animal and the second is the place where it lives, i.e. Lion lives in a den, similarly a horse lives in a stable.

=> Ans - (A)

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### Question 27

In the following question, select the related number pair from the given alternatives. 3:9::?:?

- A 4: 11
- B 5: 31
- C 7: 57
- D 7: 49

**Answer: D**

**Explanation:**

Expression = 3:9::?:?

The second number is the square of the first number, i.e.  $3^2 = 9$

Among the given options the correct square is,  $7^2 = 49$

=> Ans - (D)

### Question 28

In the following question, select the related letter pair from the given alternatives. MRQ: PUT:: ? : ?

- A NOT: MNS
- B FRY: IUB
- C PEG: RGI
- D SAP: QYN

**Answer: B**

**Explanation:**

Expression = MRQ: PUT:: ? : ?

The pattern followed is :

M	R	Q
(+3)	(+3)	(+3)
P	U	T

Similar pattern is observed only in :

F	R	Y
(+3)	(+3)	(+3)
I	U	B

=> Ans - (B)

#### Question 29

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

- A Tiger
- B Ostrich
- C Lion
- D Cheetah

**Answer: B**

#### Explanation:

Tiger, lion and cheetah are wild animals, while ostrich is a bird, hence it is the odd one out.

=> Ans - (B)

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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 - 12
- B 13 - 14
- C 17 - 18
- D 19 - 21

**Answer: D**

#### Explanation:

The difference between each of the pair of numbers is 1.

But in the last option =>  $21 - 19 = 2$

Thus, (19 - 21) is the odd one out.

=> Ans - (D)

#### Question 31

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

- A JKL
- B EGI
- C OQS
- D KMO

**Answer: A**

**Explanation:**

(A) : J (+1 letter) = K (+1 letter) = L

(B) : E (+2 letters) = G (+2 letters) = I

(C) : O (+2 letters) = Q (+2 letters) = S

(D) : K (+2 letters) = M (+2 letters) = O

=> Ans - (A)

**Question 32**

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

1. Flesh
2. Flexible
3. Flaw
4. Flick
5. Fleet

A 35124

B 45123

C 12453

D 24513

**Answer: A**

**Explanation:**

As per the order of dictionary :

= Flaw -> Fleet -> Flesh -> Flexible -> Flick

≡ 35124

=> Ans - (A)

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**Question 33**

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

4, 7, 11, 18, 29, ?

A 45

B 30

C 32

D 47

**Answer: D**

**Explanation:**

The above series is a type of Fibonacci series where the previous two numbers are added to get the next number.

$$4 + 7 = 11$$

$$7 + 11 = 18$$

$$11 + 18 = 29$$

$$18 + 29 = 47$$

=> Ans - (D)



**Question 34**

A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.  
AZ, BY, CX, DW, ?

- A EU
- B EV
- C FW
- D GV

**Answer: B**

**Explanation:**

Series : AZ, BY, CX, DW, ?

The pattern followed in each letter of the terms is :

1st letter : A (+1 letter) = B (+1 letter) = C (+1 letter) = D (+1 letter) = E

2nd letter : Z (-1 letter) = Y (-1 letter) = X (-1 letter) = W (-1 letter) = V

Thus, missing term = **EV**

=> Ans - (B)

**Question 35**

In a row, there are 12 professors between Akash and Bhumi and Akash being the first professor in the row. There are 6 professors between Bhumi and Charu. If there are 15 professors after Charu, then how many minimum professors are there in the row?

- A 21
- B 24
- C 20
- D 22

**Answer: D**

**Explanation:**

Akash is sitting at first position (say from left end) of the row.

There are 12 professors between Akash and Bhumi, => Bhumi is sitting at 14th position.

Now, there are 15 professors after Charu, for number of professors to be minimum, Charu must sit to the left of Bhumi,

=> Charu's position = 7th from left end

∴ There are 15 more professors, thus minimum number of professors = 7 + 15 = **22**

=> 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.

**Academic**

- A Card
- B Made

C Ice

D Aim

Answer: A

**Explanation:**

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

=> Ans - (A)

**Question 37**

In a certain code language, "FIR" is written as "33" and "LIT" is written as "41". How is "TOM" written in that code language?

A 39

B 40

C 46

D 48

Answer: D

**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.

$$\text{FIR} = 6 + 9 + 18 = 33$$

$$\text{LIT} = 12 + 9 + 20 = 41$$

$$\text{Similarly, TOM} = 20 + 15 + 13 = 48$$

=> Ans - (D)

**Question 38**

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

$$7 \times 10 \div 30 - 2 + 6 = ?$$

A 33

B 18

C 7

D 26

Answer: C

**Explanation:**

$$\text{Expression : } 7 \times 10 \div 30 - 2 + 6 = ?$$

$$\equiv 7 - 10 + 30 \times 2 \div 6$$

$$= 7 - 10 + \frac{60}{6}$$

$$= -3 + 10 = 7$$

=> Ans - (C)

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Question 39

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

$$18 + 12 \div 9 - 30 \times 16 = 10$$

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

Answer: A

Explanation:

Expression :  $18 + 12 \div 9 - 30 \times 16 = 10$

(A) : + and  $\times$

$$\equiv 18 \times 12 \div 9 - 30 + 16 = 10$$

$$\text{L.H.S.} = \left(\frac{18}{9} \times 12\right) - 14$$

$$= (2 \times 12) - 14 = 10 = \text{R.H.S.}$$

=> Ans - (A)

Question 40

If  $13\Delta 3 = 20$ ,  $12\Delta 7 = 10$  and  $12\Delta 5 = 14$ , then find the value of  $16\Delta 2 = ?$

- A 14
- B 4
- C 28
- D 8

Answer: C

Explanation:

Given :  $13\Delta 3 = 20$ ,  $12\Delta 7 = 10$  and  $12\Delta 5 = 14$

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

Eg :-  $(13 - 3) \times 2 = 20$

and  $(12 - 7) \times 2 = 10$  and  $(12 - 5) \times 2 = 14$

Similarly,  $(16 - 2) \times 2 = 28$

=> Ans - (C)

Question 41

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

PQPPPPP, PPQPPPP, PPPQPPP, PPPPQPP, PPPPPQP, \_\_\_\_\_.

- A QPPPPPP
- B PQPPPPP
- C PPPPPQP
- D PPQPPPP

Answer: C

Explanation:

Expression : PQPPPP, PPQPPPP, PPPQPPP, PPPPQPP, PPPPPQP, \_\_\_\_\_.

The pattern followed is that in each term there are combinations of 'P' and 'Q' (7 letters) and in each term, the position of Q is shifted one place to the right.

Thus, in the missing term, Q will be at the end = PPPPPQ

=> Ans - (C)

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Question 42

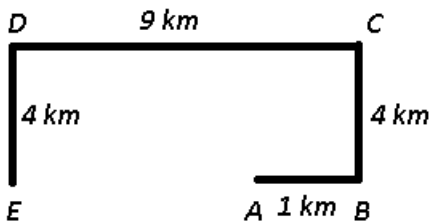
A street seller starts from his home. He pushes his cart 1 km East, then he turns North and walks 4 km, then he turns West and walks 9 km, then he turns to his left and walks 4 km. Where is he with respect to his home?

- A 8 km West
- B 10 km West
- C 8 km East
- D 10 km East

Answer: A

Explanation:

Let the street seller starts from his home at point A. He pushes his cart 1 km East, then he turns North and walks 4 km to reach C, then he turns West and walks 9 km to reach D, then he turns to his left and walks 4 km southwards to finally stop at point E.



=>  $AE = 9 - 1 = 8$  km

∴ He is **8 km west** with respect to his home.

=> 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: Some pizzas are pancakes

Statement II: All bread are pizzas

Conclusion I: All pancakes are bread

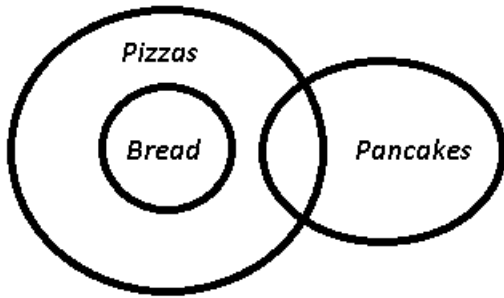
Conclusion II: No bread are pizzas

- 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 pancakes are bread = false

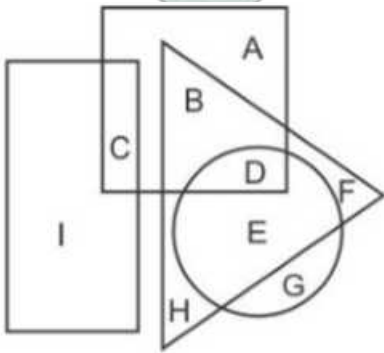
Conclusion II: No bread are pizzas = false

Thus, neither conclusion I nor conclusion II follows.

=> Ans - (D)

**Question 44**

In the following figure, rectangle represents Web designers, circle represents Equestrians, triangle represents Poets and square represents Joggers. Which set of letters represents Joggers who are both Equestrians as well as Poets?



A BDG

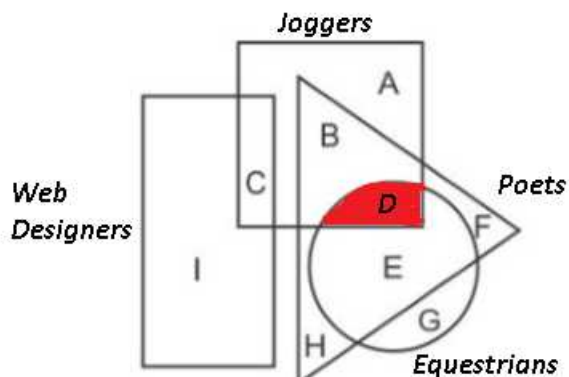
B ABDG

C BD

D D

Answer: D

**Explanation:**



Joggers who are both Equestrians as well as Poets are represented by = D

=> 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.  
SUN, TWQ, UYT, VAW, ?

- A WCZ
- B XBY
- C WCY
- D XBZ

Answer: A

### Explanation:

Series : SUN, TWQ, UYT, VAW, ?

The pattern followed in each letter of the terms is :

1st letter : S (+1 letter) = T (+1 letter) = U (+1 letter) = V (+1 letter) = W

2nd letter : U (+2 letters) = W (+2 letters) = Y (+2 letters) = A (+2 letters) = C

3rd letter : N (+3 letters) = Q (+3 letters) = T (+3 letters) = W (+3 letters) = Z

Thus, missing term = **WCZ**

=> Ans - (A)

### Question 46

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

47, 44, 40, 37, ?, 30

- A 32
- B 33
- C 34
- D 31

Answer: B

### Explanation:

'3' and '4' are alternatively subtracted.

$$47 - 3 = 44$$

$$44 - 4 = 40$$

$$40 - 3 = 37$$

$$37 - 4 = \mathbf{33}$$

$$33 - 3 = 30$$

=> 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 (5, 10, 15)

B (7, 14, 21)

C (6, 12, 18)

D (8, 16, 28)

Answer: D

Explanation:

The numbers are of the form :  $(x, 2x, 3x)$

But in the last option, we have  $= 8 \times 3 = 24 \neq 28$

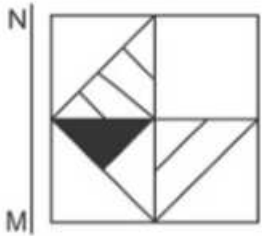
Thus, (8, 16, 28) is the odd one out.

=> 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?



Answer: C

Explanation:

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

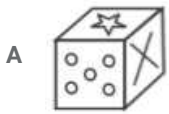
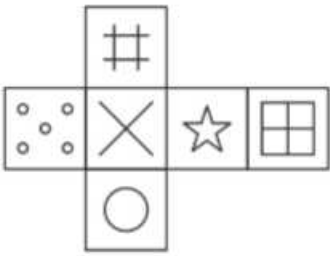
So the blank part, i.e. top right area of square will be reversed and will appear at top left, thus the first and last options will be eliminated.

Also, in the question figure, the triangle with half black color is at bottom left, hence it will appear at bottom right side, hence third option is the right image.

=> Ans - (C)

**Question 49**

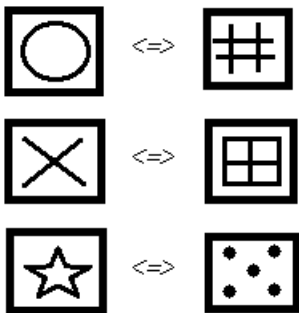
Which of the following cube in the answer figure cannot be made based on the unfolded cube in the question figure?



Answer: A

**Explanation:**

When we fold the given figure, the circle with a 'X' sign will become the base of the cube and the side with window 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 'B' can be represented by 12, 41 etc and V can be represented by 75, 96 etc. Similarly, you have to identify the set for the word 'TEAR'.

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

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

- A 57,33,42,86
- B 33,58,14,76
- C 11,58,34,78
- D 34,97,13,86

Answer: A

Explanation:

- (A) : 57,33,42,86 = TEAR
  - (B) : 33,58,14,76 = EZET
  - (C) : 11,58,34,78 = IZLW
  - (D) : 34,97,13,86 = LPKR
- => Ans - (A)

**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

Her elegance (a)/ makes her (b)/ an attracting lady. (c)/ No error (d)

- A Her elegance
- B makes her
- C an attracting lady
- D No error

Answer: C

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

**Question 52**

Live internet streaming requires an form of source media, an encoder (a)/ to digitize the content, a media publisher, and a content delivery (b)/ network to distribute and deliver the content. (c)/ No error (d)

- A Live internet streaming requires an form of source media, an encoder
- B to digitize the content, a media publisher, and a content delivery
- C network to distribute and deliver the content
- D No error

**Answer: A**

**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**

He had to \_\_\_\_\_ his theft.

- A repent for
- B repent in
- C repented
- D repenting

**Answer: A**

**Question 54**

The sharpness of our life comes when we bring more and more awareness to \_\_\_\_\_ moment.

- A each
- B each one
- C none
- D rare

**Answer: A**

## 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**

**Mordant**

- A Kind
- B Complimentary
- C Bitter

D Peaceable

**Answer: C**

**Question 56**

**Implicit**

A Unspoken

B Supply

C Specific

D Driven

**Answer: A**

**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**

**Loathe**

A Abhor

B Decline

C Hate

D Like

**Answer: D**

## SSC CHSL Study Material

**Question 58**

**Prim**

A Particular

B Informal

C Straight

D Nice

**Answer: B**

**Instructions**

For the following questions answer them individually

**Question 59**

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

**Saving the trees**

**P: requires a much**

**Q: bigger budget**

**R: of European forests**

- A PRQ
- B QRP
- C RPQ
- D RQP

Answer: C

**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 dog killed the cat.

- A The cat is killed by the dog.
- B The cat got kill by the dog.
- C The dog was responsible for killing the cat.
- D The cat was killed by the dog.

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.

Priyanka said to me, "I don't trust you."

- A Priyanka said she don't trust me.
- B Priyanka didn't trust me.
- C Priyanka told me that she didn't trust me.
- D Priyanka told me that she doesn't trust me.

Answer: C

**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 Forcsable
- B Foreseeable
- C Fourseeable
- D Foreseable

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.

The phrase consists usually of a few words which denote a single idea that \_\_\_\_\_ a separate part of a sentence. In this respect it differs from the clause, \_\_\_\_\_ is a short sentence that forms a distinct part \_\_\_\_\_ a composition, paragraph, or discourse. Correct phrasing is \_\_\_\_\_ by rests, such rests do not break the \_\_\_\_\_ of a thought or the progress of the sense.

**Question 63**

idea that \_\_\_\_\_ a separate part

- A form
- B forms
- C formation
- D forming

**Answer: B**

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**Question 64**

from the clause, \_\_\_\_\_ is a short sentence that

- A what
- B which
- C whom
- D where

**Answer: B**

**Question 65**

distinct part \_\_\_\_\_ a composition,

- A for
- B at
- C of
- D to

**Answer: C**

**Question 66**

Correct phrasing is \_\_\_\_\_ by rests,

- A regulate
- B regulates
- C regulative
- D regulated

Answer: D

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Question 67

do not break the \_\_\_\_\_ of a thought

- A continuity
- B continue
- C continuous
- D continuously

Answer: A

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 wet blanket

- A A safety net of precaution from fires.
- B A person who discourages enjoyment or enthusiasm.
- C An extremely uncomfortable place to sleep.
- D A trick to shoo away unwelcome guests.

Answer: B

Question 69

A thorn in the flesh

- A A minor discomfort which is easily ignored.
- B To fight despite being injured.
- C A source of continual annoyance or trouble.
- D A person within close family whom you secretly hate.

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

Ask or beg for something earnestly or humbly

- A Bequeath

- B Bestow
- C Accord
- D Supplicate

**Answer: D**

**Question 71**

**Preserve a right, tradition, or idea in a form that ensures it will be protected and respected**

- A Profane
- B Sacrilege
- C Enshrine
- D Blaspheme

**Answer: C**

**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**

**A guest from Europe (was quite fascinate) by the papaya tree in my garden.**

- A was quite fascinated
- B was quite fascinating
- C is quite fascinating
- D no improvement

**Answer: A**

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**Question 73**

**All the other subjects (has been reduced) to nameless and faceless extras.**

- A have been reduced
- B have being reduced
- C has been reducing
- D no improvement

**Answer: A**

**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.

Writing also helped

A: to improve the

B: vocabulary, whether it was

C: vernacular or English

A CBA

B ABC

C CAB

D BCA

Answer: B

**Question 75**

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

A imunize

B immunaize

C imunaize

D immunize

Answer: D

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**General Awareness**

**Instructions**

For the following questions answer them individually

**Question 76**

In which one of the following places was Asia's first Export Processing Zone (EPZ) set up?

A Santa Cruz

B Kandla

C Cochin

D Surat

Answer: B

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**Question 77**

First time which year the Railway Budget and the General Budget were presented separately?



- A 1923
- B 1947
- C 1952
- D 1977

Answer: A

**Question 78**

The ruler of which dynasty of South India assumed the title of Dharmaraj?

- A Wakatak
- B Pallava
- C Kadamb
- D Western Ganga

Answer: D

**Question 79**

Which of the following was a major industry in the Mughal period?

- A Pearl production
- B Silk cloth
- C Cotton cloth
- D No option is correct.

Answer: C

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**Question 80**

Which of the following is the largest satellite of the Solar System?

- A Titan
- B Miranda
- C Moon
- D Ganymede

Answer: D

**Question 81**

Which geographical division of India is the oldest?

- A Northern mountainous region
- B Ganga - Brahmaputra Plain

- C Peninsular
- D Coastal plain

**Answer: C**

**Question 82**

**Who is considered the promoter of Bhakti Movement in Bengal?**

- A Chaitanya
- B Ramanand
- C Namdev
- D Ramanuj

**Answer: A**

**SSC CHSL Free Mock Test**

**Question 83**

**Which of the following has become the first country in the world to pay equal salary to men and women?**

- A Iceland
- B Denmark
- C Sweden
- D Russia

**Answer: A**

**Question 84**

**Who was conferred with the 2017 Nobel Prize for Literature?**

- A Bob Dylan
- B Kazuo Ishiguro
- C Oliver Hart
- D Yoshinori Ohsumi

**Answer: B**

**Question 85**

**The Official Residence: cum: Office of the President of Bangladesh is called**

\_\_\_\_\_.

- A Dhaka House
- B Sonar Bangla
- C Bangabhaban
- D No option is correct.

Answer: C

## SSC CHSL Previous Papers (DOWNLOAD PDF)

Question 86

Metals are generally \_\_\_\_\_.

- I. Ductile
- II. Malleable
- III. Poor conductors of heat

- 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

According to Dalton's Atomic Theory, the smallest indivisible particles of matter is called \_\_\_\_\_.

- A molecule
- B atom
- C compound
- D element

Answer: B

Question 88

Who appoints Chief Election Commissioner of India?

- A The President of India
- B Prime Minister of India
- C Chief Justice of India
- D Home Minister of India

Answer: A

## SSC CGL Previous Papers (DOWNLOAD PDF)

Question 89

Who among the following holds the office during the pleasure of President?

- I. Attorney General of India
- II. Governors of states
- III. Comptroller and Auditor General of India

- A Only I

- B Both I and II
- C Both I and III
- D Both II and III

**Answer: B**

**Question 90**

Which of the following protects the inner lining of the stomach from the action of the hydrochloric acid under the normal conditions?

- A Villi
- B Mucus
- C Saliva
- D Digestive Juices

**Answer: B**

**Question 91**

\_\_\_\_\_ are details of appearance or behavior or in other words, a particular form or a particular function in classification of organisms.

- A Speciation
- B Evolution
- C Characteristics
- D Illustration

**Answer: C**

## SSC CGL Free Mock Test (Latest Pattern)

**Question 92**

97% of the total debt of all state power distribution companies has been covered till June 2017 under the 'UDAY' scheme. What does 'D' stand for in 'UDAY'?

- A Debt
- B DISCOM
- C Distribution
- D No option is correct.

**Answer: B**

**Question 93**

The secret Zuma Mission for United States government has been launched on board of SpaceX's \_\_\_\_\_ rocket.

- A Falcon 9
- B Falcon 1
- C Falcon 3

D Falcon 5

Answer: A

Question 94

The 'National Trade Facilitation Action Plan' has been formulated for implementation of World Trade Organisation's Trade Facilitation Agreement (TFA). It will be implemented in between the years \_\_\_\_\_.

A 2017:20

B 2018:20

C 2018:21

D 2019:22

Answer: A

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

Question 95

The Government of India has been actively working on the provisions of 'FRDI' Bill, 2017. What does 'D' stand for in 'FRDI'?

A Destruction

B Demand

C Deposit

D Department

Answer: C

Question 96

Calculate the pressure (in Pa) if a thrust of 800 N is applied to an area of 16 m<sup>2</sup>.

A 128

B 100

C 64

D 50

Answer: D

Question 97

The SI unit of acceleration is \_\_\_\_\_.

A ms:1

B ms:2

C ms<sup>2</sup>

D m/s

Answer: B

## SSC CHSL Study Material

### Question 98

Warm air is \_\_\_\_\_.

- A heavier than cold air hence warm air rises up
- B lighter than cold air hence warm air moves down
- C lighter than cold air hence warm air rises up
- D heavier than cold air hence warm air moves down

Answer: C

### Question 99

Which of the statements given below are correct?

- A) Rafael Nadal won the Tennis 2017 Australian Open Men's Singles.
- B) In 2017, Maverick Viñales raced in MotoGP for Yamaha.
- C) In 2017, Lewis Hamilton raced in Formula One for Ferrari.

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

Answer: A

### Question 100

In Microsoft Word, first line and hanging are special forms of \_\_\_\_\_.

- A Alignment
- B Spacing
- C Effects
- D Indentation

Answer: D

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