



## SSC CHSL 13 March 2018 Evening Shift

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**Instructions**

For the following questions answer them individually

**Question 1**

Find the smallest 8 digit number which is exactly divisible by 121.

- A 10000045
- B 10000076
- C 10000024
- D 10000055

**Answer:** A

**Explanation:**

Smallest 8 digit number = 10000000

If we divide above number by 121, remainder is =  $10000000 = 121 \times 82644 + 76$

=> Smallest 8 digit number which is exactly divisible by 121 =  $10000000 + (121 - 76) = 10000045$

=> Ans - (A)

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**Question 2**

A number is divided by 52, we get 27 as remainder. On dividing the same number by 13, What will be the remainder?

- A 2
- B 7
- C 1
- D None of these

**Answer:** C

**Explanation:**

When a number is divided by 52, remainder obtained is 27,

=> Number is of the form =  $52k + 27$

When above number is divided by 13, =>  $\frac{52k+27}{13}$

$\therefore 52$  is a multiple of 13, =>  $27\%13 = 1$

=> Ans - (C)

**Question 3**

Find the value of  $\frac{6\sqrt{2}}{5\sqrt{3}}(\sqrt{2} + \sqrt{18})$

- A  $\frac{16\sqrt{3}}{5}$
- B  $\frac{26\sqrt{3}}{5}$
- C  $\frac{36\sqrt{3}}{5}$

D  $\frac{46\sqrt{3}}{5}$

Answer: A

Explanation:

Expression :  $\frac{6\sqrt{2}}{5\sqrt{3}}(\sqrt{2} + \sqrt{18})$

$= \frac{6\sqrt{2}}{5\sqrt{3}}(\sqrt{2} + 3\sqrt{2})$

$= \frac{6\sqrt{2}}{5\sqrt{3}}(4\sqrt{2})$

$= \frac{48}{5\sqrt{3}} = \frac{16 \times 3}{5\sqrt{3}}$

$= \frac{16\sqrt{3}}{5}$

=> Ans - (A)

Question 4

$(\sqrt[4]{y^8}) = 225$

A 10

B 12

C 15

D 18

Answer: C

Explanation:

Given,  $\sqrt[4]{y^8} = 225$

=>  $y^4 = 225$

=>  $y^2 = 225$

=>  $y = 15$

## SSC CHSL Free Mock Test

Question 5

If the in radius of the equilateral triangle is 8 cm then what is the value of circum radius (in cm) of the triangle?

A 8

B 16

C 18

D 20

Answer: B

Explanation:

In an equilateral triangle, the circumradius is twice the inradius.

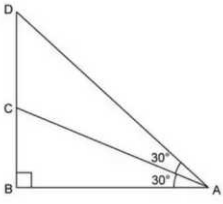
In radius = 8 cm

=> Circum radius =  $2 \times 8 = 16$  cm

=> Ans - (B)

**Question 6**

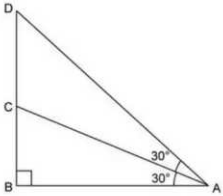
Choose the CORRECT option for the following figure



- A AB=BD
- B AC=CD
- C BC=AB
- D AD=AC

**Answer: B**

**Explanation:**



In the given figure,  $\triangle ABC$  is right angled triangle.

$$\Rightarrow \angle D = 90^\circ - 60^\circ = 30^\circ$$

Thus, in  $\triangle ACD$ , we have  $\angle CAD = \angle ADC = 30^\circ$

$\therefore AC = CD$  [Sides opposite to equal angles are equal.]

$\Rightarrow$  Ans - (B)

**Question 7**

What is the value of 53% of 7400?

- A 4312
- B 3478
- C 3922
- D 4124

**Answer: C**

**Explanation:**

Expression : 53% of 7400

$$= \frac{53}{100} \times 7400$$

$$= 53 \times 74 = 3922$$

$\Rightarrow$  Ans - (C)

**Question 8**

Rs 9000 is divided among P, Q and R in the ratio of 5 : 6 : 7. What is the share (in Rs) of R?

- A 2500
- B 3500
- C 3000
- D 4000

**Answer: B**

**Explanation:**

Total amount = Rs. 9000

Ratio of amount with P : Q : R = 5 : 6 : 7

$$\Rightarrow \text{Share of R} = \frac{7}{(5+6+7)} \times 9000$$

$$= 7 \times 500 = \text{Rs. } 3500$$

$\Rightarrow$  Ans - (B)

**Question 9**

A mixture of 50 kg of cement and gravel contains 10% of gravel. How many kg of gravel must be added to make the gravel content 28% in the new mixture?

- A 14.5
- B 10.5
- C 12.5
- D 17.5

**Answer: C**

**Explanation:**

$$\text{Quantity of gravel in 50 kg mixture} = \frac{10}{100} \times 50 = 5 \text{ kg}$$

Let  $x$  kg of gravel must be added in the mixture,

$$\Rightarrow (x + 5) = \frac{28}{100} \times (x + 50)$$

$$\Rightarrow 100x + 500 = 28x + 1400$$

$$\Rightarrow 100x - 28x = 1400 - 500$$

$$\Rightarrow 72x = 900$$

$$\Rightarrow x = \frac{900}{72} = 12.5$$

$\therefore$  **12.5 kg** of gravel must be added to make the gravel content 28% in the new mixture.

$\Rightarrow$  Ans - (C)

**Question 10**

The average of 7 numbers is 30. If the average of first three numbers is 25 and that of last three numbers is 35, then what is the fourth number?

- A 30
- B 35

C 37.5

D 40

**Answer: A**

**Explanation:**

Average of 7 numbers = 30

=> Sum of the numbers =  $30 \times 7 = 210$

Now, sum of first 3 numbers =  $25 \times 3 = 75$

Similarly, sum of last 3 numbers =  $35 \times 3 = 105$

=> Fourth number =  $210 - (75 + 105) = 210 - 180 = 30$

=> Ans - (A)

## SSC CGL Previous Papers (DOWNLOAD PDF)

**Question 11**

If the interest is compounded half-yearly, then what will be the compound interest (in Rs) on a sum of Rs 10000 for 1 year at the rate of 10% per annum?

A 1250

B 525

C 1000

D 1025

**Answer: D**

**Explanation:**

Principal sum = Rs. 10,000

Rate of interest = 10% and time period = 1 year

Compound interest compounded half yearly =  $P[(1 + \frac{R}{200})^{2T} - 1]$

=  $10,000[(1 + \frac{10}{200})^2 - 1]$

=  $10,000[(\frac{21}{20})^2 - 1]$

=  $10,000(\frac{441-400}{400})$

=  $10,000 \times \frac{41}{400}$

=  $25 \times 41 = \text{Rs. } 1025$

=> Ans - (D)

**Question 12**

Raj purchased two laptops, first for Rs 42500 and the second for Rs 36200. He sold first laptop at a profit of 12% and the second laptop at a loss of 12%. What is the overall profit or loss?

A Rs 756 profit

B Rs 756 loss

C Rs 1512 profit

D Rs1512loss

**Answer: A**

**Explanation:**

Cost price of 1st laptop = Rs. 42,500

Profit % on selling it = 12%

=> Selling price of 1st laptop =  $42,500 + \left(\frac{12}{100} \times 42,500\right) = \text{Rs. } 47,600$

Cost price of 2nd laptop = Rs. 36,200

Loss % on selling it = 12%

=> Selling price of 2nd laptop =  $36,200 - \left(\frac{12}{100} \times 36,200\right) = \text{Rs. } 31,856$

∴ Total cost price = Rs.  $(42,500 + 36,200) = \text{Rs. } 78,700$

Total selling price = Rs.  $(47,600 + 31,856) = \text{Rs. } 79,456$

=> Profit = Rs.  $(79,456 - 78,700) = \text{Rs. } 756$

=> Ans - (A)

**Question 13**

**A discount of 45% on an article is equal to the discount of 65% on other article. What is the respective ratio of the marked price of both the articles?**

**A** 5 : 9

**B** 3 : 4

**C** 7 : 12

**D** 13 : 9

**Answer: D**

**Explanation:**

Let marked price of first article = Rs.  $x$  and second article = Rs.  $y$

According to ques,

=>  $100 \times x = \frac{45}{100} \times x = \frac{65}{100} \times y$

=>  $9x = 13y$

=>  $\frac{x}{y} = \frac{13}{9}$

∴ Respective ratio of the marked price of both the articles = **13 : 9**

=> Ans - (D)

## SSC CGL Free Mock Test (Latest Pattern)

**Question 14**

**What is the value of  $\sqrt[3]{729} \times \sqrt{16} + \sqrt{676} + \sqrt{169}$ ?**

**A** 75

**B** 64

**C** 35

**D** 60

**Answer: A**

**Explanation:**

$$\text{Expression : } \sqrt[3]{729} \times \sqrt{16} + \sqrt{676} + \sqrt{169}$$

$$= (9 \times 4) + 26 + 13$$

$$= 36 + 39 = 75$$

=> Ans - (A)

**Question 15**

P and O together can make a door in 12 days. They started the work together but after 8 days P left the work. The remaining work is completed by O alone in 7 more days. In how many days can P alone complete the entire work?

A 21

B 24

C 28

D 32

**Answer: C**

**Explanation:**

Let total work to be done = L.C.M. (12,7) = 84 units

Let efficiency of P and O be  $p$  and  $o$  respectively.

$$\Rightarrow 1 \text{ day work of P and O, } p + o = \frac{84}{12} = 7 \text{ units/day} \text{-----(i)}$$

According to ques,

$$\Rightarrow (7 \times 8) + (o \times 7) = 84$$

$$\Rightarrow 7o = 84 - 56 = 28$$

$$\Rightarrow o = \frac{28}{7} = 4$$

Substituting value in equation (i),  $\Rightarrow p = 7 - 4 = 3$  units/day

$$\therefore \text{Time taken by P alone} = \frac{84}{3} = 28 \text{ days}$$

=> Ans - (C)

**Question 16**

From point P, at 6 : 30 pm, a train starts moving towards Q with the speed of 40 km/hr. Another train starts moving from point Q at 7:30 pm. towards point P at the speed of 60 km/hr. Both of them meet at 11:30 pm, at point R. What is the ratio of PR and QR?

A 3 : 4

B 5 : 6

C 4 : 5

D 5 : 4

**Answer: B**

**Explanation:**

Speed of first train that moves from P to Q = 40 km/hr

Now, first train started at 6:30 p.m. and reached R at 11:30 pm, thus distance travelled by it =  $PR = 40 \times 5 = 200$  km

Speed of second train that moves from Q to P = 60 km/hr

Now, distance travelled by it from 7:30 p.m. to 11:30 pm =  $QR = 60 \times 4 = 240$  km



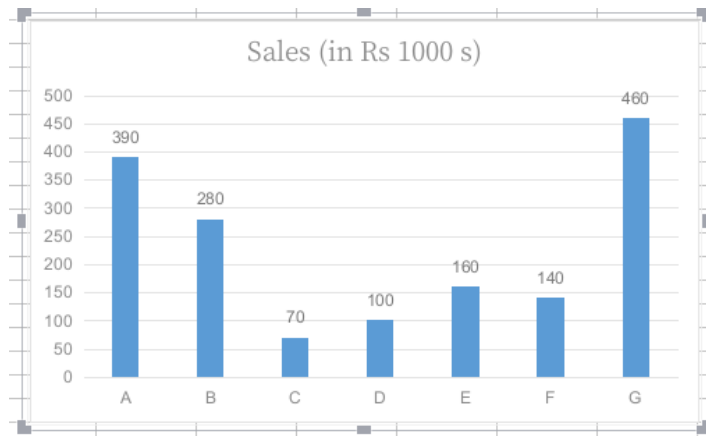
$$\Rightarrow \frac{PR}{QR} = \frac{200}{240} = 5 : 6$$

=> Ans - (B)

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

### Instructions

The bar graph shows 1 month's sales figures of different brands of mobile phones of a certain electronics store in Rs 1000s. Study the diagram and answer the following questions.



### Question 17

Sales of which mobile phone brand were the second highest?

- A G
- B A
- C B
- D E

Answer: B

### Explanation:

Sales of mobile phone brand A were the second highest = Rs. 390,000

=> Ans - (B)

### Question 18

What is the ratio of sales of brand 'B' to that of brand 'C'?

- A 1:4
- B 7:2
- C 2:7
- D 4:1

Answer: D

### Explanation:

Sales of mobile brand B (in Rs. 000's) = 280

Sales of mobile brand C (in Rs. 000's) = 70

=> Required ratio =  $\frac{280}{70} = 4 : 1$

=> Ans - (D)

**Question 19**

Sales of brand E was greater than that of brand D by

- A 0.375
- B 0.6
- C 0.575
- D 0.3

**Answer: B**

**Explanation:**

Sales of mobile brand E (in Rs. 000's) = 160

Sales of mobile brand D (in Rs. 000's) = 100

=> Sales of brand E was greater than that of brand D by =  $\frac{(160-100)}{100} = 0.6$

=> Ans - (B)

## SSC CHSL Study Material

**Question 20**

If the sales figures are exclusive of tax then at the rate of 10% tax how much is the tax to be paid (in Rs) on the sales of all the 7 brands of mobile phones?

- A 160000
- B 1600000
- C 150000
- D 1500000

**Answer: A**

**Explanation:**

Total sales of all the brands (in Rs. 000's)

= 390 + 280 + 70 + 100 + 160 + 140 + 460 = 1600

Tax % = 10%

=> Tax to be paid (in Rs) on the sales of all the 7 brands of mobile phones =  $\frac{10}{100} \times 16,00,000 = 160,000$

=> Ans - (A)

**Instructions**

For the following questions answer them individually

**Question 21**

If the length of one side and the diagonal of a rectangle are 5 cm and 13 cm respectively, then find its perimeter (in cm).

- A 68
- B 34
- C 25

D 50

Answer: B

Explanation:

Let the length of rectangle =  $l$  cm and breadth,  $b = 5$  cm

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

$$\Rightarrow l^2 = (13)^2 - (5)^2$$

$$\Rightarrow l^2 = 169 - 25 = 144$$

$$\Rightarrow l = \sqrt{144} = 12 \text{ cm}$$

$$\therefore \text{Perimeter} = 2 \times (5 + 12) = 2 \times 17 = 34 \text{ cm}$$

$\Rightarrow$  Ans - (B)

Question 22

If the perimeter of a semicircle is 108 cm, then find its area (in cm<sup>2</sup>).

A 1386

B 512

C 693

D 1024

Answer: C

Explanation:

Let radius of semi circle =  $r$  cm

$$\Rightarrow \text{Perimeter of semi circle} = \pi r + 2r = 108$$

$$\Rightarrow r\left(\frac{22}{7} + 2\right) = 108$$

$$\Rightarrow r\left(\frac{22+14}{7}\right) = 108$$

$$\Rightarrow r = 108 \times \frac{7}{36} = 21 \text{ cm}$$

$$\therefore \text{Area of semi-circle} = \frac{1}{2} \pi r^2$$

$$= \frac{1}{2} \times \frac{22}{7} \times (21)^2$$

$$= 11 \times 21 \times 3 = 693 \text{ cm}^2$$

$\Rightarrow$  Ans - (C)

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Question 23

The surface area of a sphere is 2464 cm<sup>2</sup>. Find its diameter (in cm).

A 14

B 56

C 28

D 42

Answer: C

**Explanation:**

Let radius of sphere =  $r$  cm

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

$$\Rightarrow 4 \times \frac{22}{7} \times (r)^2 = 2464$$

$$\Rightarrow r^2 = 2464 \times \frac{7}{88}$$

$$\Rightarrow r^2 = 28 \times 7$$

$$\Rightarrow r = \sqrt{7^2 \times 4} = 14$$

$\therefore$  Diameter of sphere =  $2 \times 14 = 28$  cm

=> Ans - (C)

**Question 24**

What is the value of  $(\cot 60^\circ + 1/\sqrt{3})$ ?

A  $2\sqrt{3}$

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

C  $\frac{2}{\sqrt{3}}$

D  $\sqrt{3}$

Answer: C

**Explanation:**

Expression :  $(\cot 60^\circ + 1/\sqrt{3})$

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

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

=> Ans - (C)

**Question 25**

$\triangle PQR$  is right angled at Q. If  $\sec P = 13/5$ , then what is the value of  $\sin R$ ?

A  $5/13$

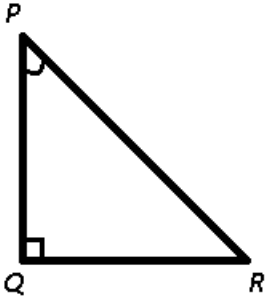
B  $5/12$

C  $13/5$

D  $13/12$

Answer: A

**Explanation:**



Given :  $\sec P = \frac{13}{5}$

Also,  $\sec P = \frac{PR}{PQ} = \frac{13}{5}$

Let  $PR = 13$  cm and  $PQ = 5$  cm

To find :  $\sin R = \frac{PQ}{PR}$

$= \frac{5}{13}$

=> 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.

Gold : Jewellery

- A Pulp : Prism
- B Jute : Furniture
- C Wall : Brick
- D Seed : Book

**Answer:** B

#### Explanation:

Expression = Gold : Jewellery

The second is made using first, i.e. Jewellery is made of Gold, similarly Furniture is made of jute.

=> Ans - (B)

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

#### Question 27

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

94 : 36 :: 47

- A 32
- B 28

C 11

D 21

**Answer: B**

**Explanation:**

Expression =  $94 : 36 :: 47$

The second number in the pair is the product of digits of first number.

Eg :-  $9 \times 4 = 36$

Similarly,  $4 \times 7 = 28$

=> Ans - (B)

**Question 28**

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

**MLF:OOJ::?: ?**

A RIG : TLK

B AFE : BIV

C KTM : LUN

D FRY : DQX

**Answer: A**

**Explanation:**

Expression = MLF:OOJ::?: ?

The pattern followed is :

M	L	F
(+2)	(+3)	(+4)
O	O	J

Similar pattern is observed only in :

R	I	G
(+2)	(+3)	(+4)
T	L	K

=> Ans - (A)

**Question 29**

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

A Cricket

B Ludo

C Chess

D Carrom

**Answer: A**

**Explanation:**

Ludo, chess and carrom are all indoor games, hence **cricket** being the only outdoor sport is the odd one out.

=> Ans - (A)

## 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 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 71: 73
- B 61: 63
- C 77: 79
- D 63: 67

**Answer:** D

#### **Explanation:**

The difference between each of the pair of numbers is 2.

But in the last option  $\Rightarrow 67 - 63 = 4$

Thus, (63 - 67) is the odd one out.

$\Rightarrow$  Ans - (D)

### Question 31

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

- A HM
- B KR
- C SX
- D GL

**Answer:** B

#### **Explanation:**

(A) : H (+5 letters) = M

(B) : K (+7 letters) = R

(C) : S (+5 letters) = X

(D) : G (+5 letters) = L

$\Rightarrow$  Ans - (B)

### Question 32

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

1. Incomplete
2. Incorrect
3. Include
4. Increment
5. Income

- A 51243
- B 12453

C 34125

D 35124

**Answer: D**

**Explanation:**

As per the order of dictionary :

= Include -> Income -> Incomplete -> Incorrect -> Increment

≡ 35124

=> Ans - (D)

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

**Question 33**

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

11, 22, 44, 88, 176, ?

A 350

B 362

C 352

D 282

**Answer: C**

**Explanation:**

Each number is multiplied by 2.

$$11 \times 2 = 22$$

$$22 \times 2 = 44$$

$$44 \times 2 = 88$$

$$88 \times 2 = 176$$

$$176 \times 2 = 352$$

=> Ans - (C)

**Question 34**

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

C, G, L, R,

A W

B X

C Y

D Z

**Answer: C**

**Explanation:**

Series : C, G, L, R,



The pattern followed is :

C (+4 letters) = G (+5 letters) = L (+6 letters) = R (+7 letters) = Y

=> Ans - (C)

#### Question 35

Weight of Arun is  $\frac{4}{7}$  of the weight of Bablu. Weight of Bablu is  $\frac{1}{2}$  of the weight of Ram. Weight of Ram is 4 times of the weight of Deep. Weight of Deep is  $\frac{1}{9}$  of the weight of Ankit. Whose weight is more than the weight of Deep but less than the weight of Bablu?

- A Ankit
- B Arun
- C Ram
- D Deep

**Answer:** B

#### Explanation:

Let weight of Ankit =  $9x$  kg

=> Deep's weight =  $\frac{1}{9} \times 9x = x$  kg

=> Ram's weight =  $4 \times x = 4x$  kg

=> Weight of Bablu =  $\frac{4x}{2} = 2x$  kg

=> Arun's weight =  $\frac{4}{7} \times 2x = 1.14x$  kg

∴ Ankit > Ram > Bablu > Arun > Deep

Thus, **Arun's** weight is more than the weight of Deep but less than the weight of Bablu.

=> Ans - (B)

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#### Question 36

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

#### Heating

- A Fate
- B Ate
- C Gate
- D Gain

**Answer:** A

#### Explanation:

The word HEATING does not contain any 'F', thus the term **Fate** cannot be formed.

=> Ans - (A)

#### Question 37

In a certain code language, "LINK" is written as "1291411" and "FUEL" is written as "621512". How is "TORN" written in that code language?

- A 15181319

B 20161314

C 20151814

D 2018149

**Answer: C**

**Explanation:**

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

Eg :- LINK = 12,9,14,11 -> 1291411

FUEL = 6,21,5,12 -> 621512

Similarly, TORN = 20,15,18,14 -> **20151814**

=> Ans - (C)

**Question 38**

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

$5+20-4\div 10x8=?$

A 12

B 23

C 6

D 34

**Answer: B**

**Explanation:**

Expression :  $5+20-4\div 10x8=?$

$\equiv 5 \times 20 \div 4 - 10 + 8$

$= (5 \times 5) - 2$

$= 25 - 2 = 23$

=> Ans - (B)

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**Question 39**

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

$12\div 4-15x10+2=8$

A + and x

B - and +

C + and ÷

D ÷ and x

**Answer: A**

**Explanation:**

Expression :  $12\div 4-15x10+2=8$

(A) : + and x

$$\equiv 12 \div 4 - 15 + 10 \times 2 = 8$$

$$\text{L.H.S.} = \left(\frac{12}{4}\right) - 15 + (10 \times 2)$$

$$= 3 - 15 + 20 = 8 = \text{R.H.S.}$$

=> Ans - (A)

#### Question 40

If  $4\Delta 2 = 60$ ,  $7\Delta 9 = 160$  and  $8\Delta 3 = 110$ , then find the value of  $3\Delta 2 = ?$

A 50

B 90

C 70

D 60

Answer: A

#### Explanation:

The pattern followed is :  $a\Delta b = 10 \times (a + b)$

$$\text{Eg :- } 4\Delta 2 = 10 \times (4 + 2) = 60$$

$$\text{and } 7\Delta 9 = 10 \times (7 + 9) = 160$$

$$\text{Similarly, } 3\Delta 2 = 10 \times (3 + 2) = 50$$

=> Ans - (A)

#### Question 41

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

XYYYYYY, XXYYYYY, XXXYYYY, XXXXYYY, XXXXXYY, \_\_\_\_\_

A XXXXXXXX

B XYYYYYY

C XXYYYYY

D XXXXXXY

Answer: D

#### Explanation:

Expression : XYYYYYY, XXYYYYY, XXXYYYY, XXXXYYY, XXXXXYY, \_\_\_\_\_

The pattern followed is that each term is a combination 'XY' (7 letters), and the number of X's starting from left are increasing and also number of Y's starting from right end are decreasing one at a time.

Thus, in the missing term, the second last term will also be 'X' = XXXXXXY

=> Ans - (D)

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#### Question 42

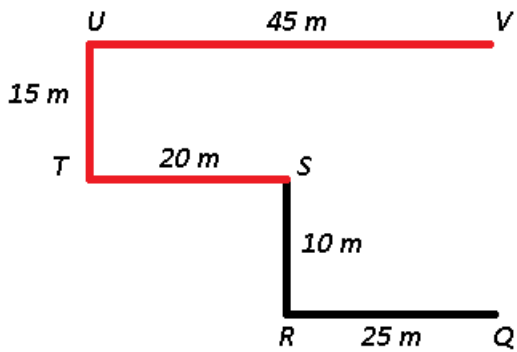
Two labourers L and M start at the same point. L walks 10 m South, then turns left and walks 25 m. In the meanwhile M walks 20 m West, then turns to his right and walks 15 m, then turns East and walks 45 m. Where is M with respect to L?

- A 5 m North
- B 25 m South
- C 5 m South
- D 25 m North

Answer: D

**Explanation:**

Let the two labourers L and M start at the same point S. L (black) walks 10 m South to R, then turns left and walks 25 m towards east to stop at point Q. In the meanwhile M (red) walks 20 m West to reach T, then turns to his right and walks 15 m northwards, finally turns East and walks 45 m to stop at point V.



=>  $VQ = 15 + 10 = 25\text{ m}$

∴ M is **25 m north** with respect to L.

=> Ans - (D)

**Question 43**

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

Statement I: Some purses are pockets

Statement II: All purses are wallets

Conclusion I: All pockets are wallets

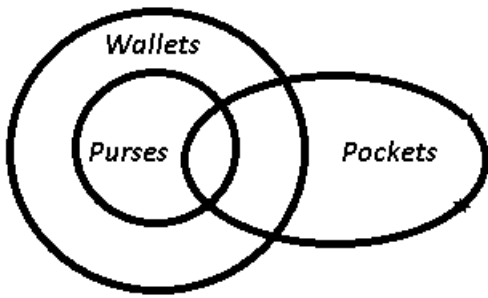
Conclusion II: No wallets are pockets

- 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 pockets are wallets = false

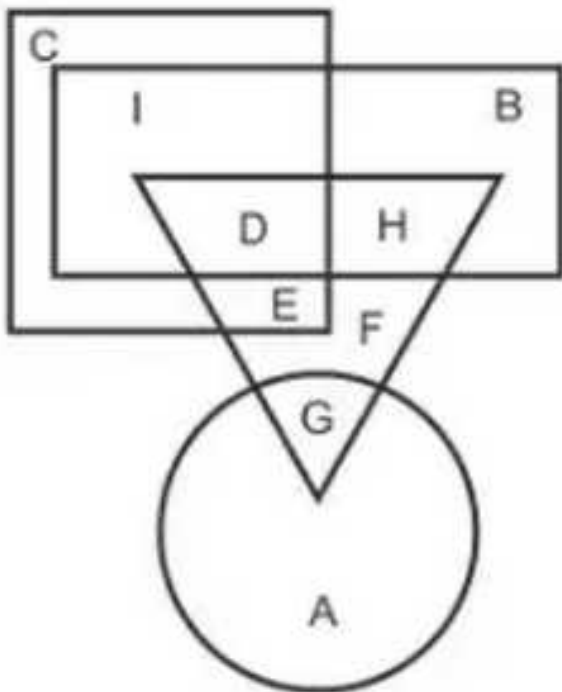
Conclusion II: No wallets are pockets = false

Thus, neither conclusion I nor conclusion II follows.

=> Ans - (D)

**Question 44**

In the following figure, rectangle represents Opticians, circle represents Curators, triangle represents Campers and square represents Europeans. Which set of letters represents Opticians who are either Europeans or Campers?



A IDH

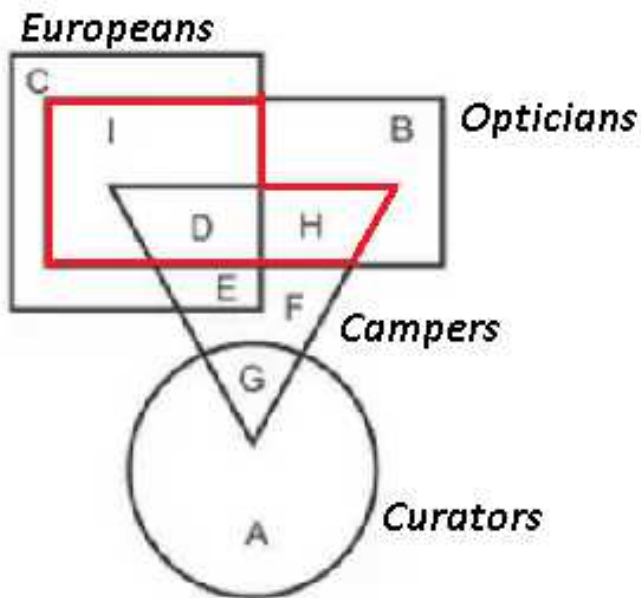
B DEF

C CID

D IBD

Answer: A

Explanation:



Opticians who are either Europeans or Campers are represented by = IDH

=> Ans - (A)

## 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.

ZIP, XGN, VEL, TCJ,

- A RZG
- B SAH
- C SZG
- D RAH

Answer: D

#### Explanation:

Series : ZIP, XGN, VEL, TCJ,

The pattern followed in each letter of the terms is :

1st letter : Z (-2 letters) = X (-2 letters) = V (-2 letters) = T (-2 letters) = R

2nd letter : I (-2 letters) = G (-2 letters) = E (-2 letters) = C (-2 letters) = A

3rd letter : P (-2 letters) = N (-2 letters) = L (-2 letters) = J (-2 letters) = H

Thus, missing term = RAH

=> Ans - (D)

### Question 46

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

41, 54, 67, ?, 93

- A 80

- B 82
- C 74
- D 90

Answer: A

**Explanation:**

'13' is added to the numbers.

$$41 + 13 = 54$$

$$54 + 13 = 67$$

$$67 + 13 = \mathbf{80}$$

$$80 + 13 = 93$$

=> Ans - (A)

**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 (17, 21, 25)
- B (12, 16, 20)
- C (19, 23, 27)
- D (22, 26, 32)

Answer: D

**Explanation:**

The numbers are of the form :  $(x, x + 4, x + 8)$

But in the last option, we have =  $22 + 8 = 30 \neq 32$

Thus, (22, 26, 32) is the odd one out.

=> Ans - (D)

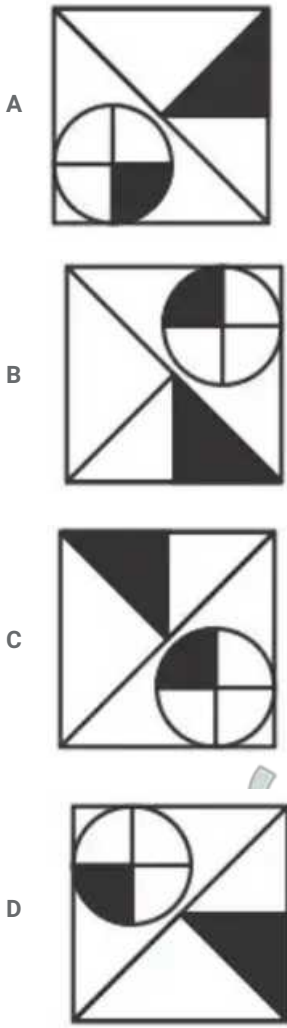
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**Question 48**

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

IMAGE





Answer: B

**Explanation:**

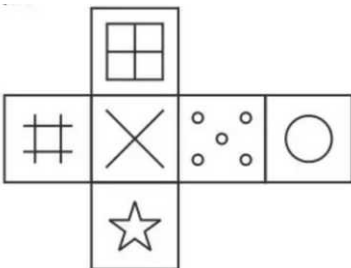
A horizontal mirror is placed, so the object on the top will appear at the bottom in reverse position and vice-versa.

So, the circle which is at bottom right in the figure, will appear at top right in the mirror and also the diagonal from bottom left will now be at bottom right to top left, hence second option is right image.

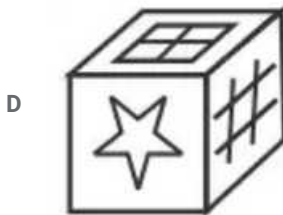
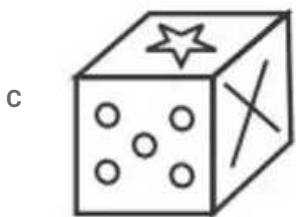
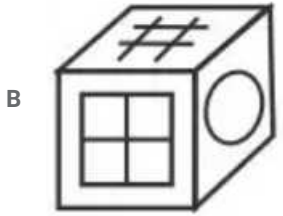
=> Ans - (B)

**Question 49**

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



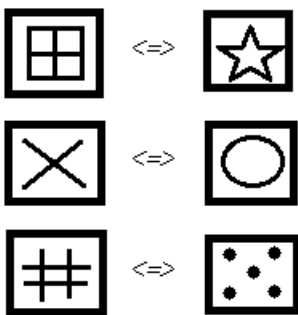




Answer: D

**Explanation:**

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

=> Ans - (D)

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 'G' can be represented by 10, 24 etc and 'T' can be represented by 76, 86 etc. Similarly, you have to identify the set for the word 'ENVY'.

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

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

- A 20,79,42,96
- B 32,57,55,97
- C 40,89,30,78
- D 11,65,10,69

Answer: B

Explanation:

- (A) : 20,79,42,96 = FWMQ
  - (B) : 32,57,55,97 = ENVY
  - (C) : 40,89,30,78 = KRHU
  - (D) : 11,65,10,69 = JPGQ
- => Ans - (B)

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**English**

Instructions

In the following question, part of the sentence may have 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

If I had cared, (a)/ I will buy (b)/ it again. (c)/ No error (d)

- A If I had cared
- B I will buy
- C it again
- D No error

Answer: B

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**Question 52**

The Large Hadron Collider is the world's largest and most (a)/ powerful particle collider, the most complex experimental (b)/ facility, and the largest single machine in a world (c)'. No error (d)

- A The Large Hadron Collider is the world's largest and most
- B powerful particle collider, the most complex experimental
- C facility, and the largest single machine in a world
- D No error

**Answer: C**

**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 have never solved \_\_\_\_\_equation before.

- A so complicated
- B as complicated
- C such a complicated
- D no complicated

**Answer: C**

**Question 54**

If you want to secure health you must learn to work without\_\_\_\_\_.

- A ciliation
- B laziness
- C abolition
- D bisection

**Answer: B**

## 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**

**Virtuoso**

- A Amateur
- B Rookie
- C Ace

D Unskilled

Answer: C

**Question 56**

**Nascent**

A Nasal

B Mature

C Budding

D Permanent

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**

**Voluble**

A Reserved

B Talkative

C Fluent

D Gabby

Answer: A

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**Question 58**

**Dank**

A Dry

B Close

C Sticky

D Moist

Answer: A

**Instructions**

For the following questions answer them individually

**Question 59**

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

**P : and poor schooling opportunities,**

**Q : countries, dues to high poverty**

**R : child labour is still prevalent**

- A PRQ
- B QPR
- C RQP
- 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.

He refused them donation.

- A They was refused donation.
- B They refused donation by him.
- C They were refused donation by him.
- D They were refused donation.

Answer: C

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**Question 61**

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

The king said, "Alas! Our enemies are too strong."

- A The king said that their enemies were too strong.
- B The king exclaimed sadly that their enemies were too strong.
- C The king was sad because the enemies were too strong.
- D The enemies were too strong for the king.

Answer: B

**Question 62**

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

- A Minoscole
- B Minuscole
- C Minuscule
- D Minucole

Answer: C

## 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.

All this suggests the intimate relations which exist between history, politics, and sociology. The \_\_\_\_\_ thing, however, is not the identities but the distinctions. For, however much the \_\_\_\_\_ disciplines may, in practice, overlap, it is necessary \_\_\_\_\_ the sake of clear thinking to have their limits defined. As far \_\_\_\_\_ sociology and history are concerned the differences may be summed up in a word. \_\_\_\_\_ history and sociology are concerned with the life of man as man.

### Question 63

sociology. The \_\_\_\_\_ thing, however,

- A important
- B importance
- C importances
- D importantly

Answer: A

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### Question 64

however much the \_\_\_\_\_ disciplines may,

- A vary
- B variety
- C various
- D variant

Answer: C

### Question 65

it is necessary \_\_\_\_\_ the sake of clear thinking

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

Answer: A

### Question 66

As far \_\_\_\_\_ sociology and history are concerned

- A as
- B like

C same

D such

Answer: A

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Question 67

up in a word. \_\_\_\_\_ history and

A Two

B Both

C Twice

D Pair

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

Chicken out

A Quickly move from one position to another in a game of chess or war.

B Be a lover of non vegetarian delicacies.

C Be easily confused over small issues.

D To decide not to do something because you are too frightened.

Answer: D

Question 69

A bad hair day

A A day which has a bad start will eventually become better.

B A day on which everything seems to go wrong.

C Don't worry over hair loss or else you will lose more.

D A day when you forget to comb your hair.

Answer: B

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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

Public disgrace arising from shameful conduct

- A Opprobrium
- B Kudos
- C Plaudit
- D Ovation

**Answer: A**

**Question 71**

**The action of driving or pushing forwards**

- A Propulsion
- B Astern
- C Aft
- D Propitiate

**Answer: A**

**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**

**In fact, (be) among so many happy people can automatically cheer you up.**

- A to be
- B been
- C being
- D no improvement

**Answer: C**

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**Question 73**

**We, all of us, (are compromise) the moment we're living in.**

- A compromise
- B compromising
- C is compromised
- 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.

She nodded her

A-head, and unapologetically shrugged

B-her shoulders while pointing to the

C-fine receipt she had just handed to me

A CBA

B CAB

C BCA

D ABC

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 benefecial

B baneficial

C banefecial

D beneficial

Answer: D

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**General Awareness**

**Instructions**

For the following questions answer them individually

**Question 76**

Debenture holders of a company are its

A Shareholders

B Creditors

C Debtors

D Directors

Answer: B

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**Question 77**

Currency notes and coins of one rupee and lower denominations are issued by the\_\_\_\_\_

- A State Bank of India
- B Government of India
- C Reserve Bank of India
- D Ministry of Finance

**Answer: D**

**Question 78**

**Which of the following places is not a Middle Stone Age?**

- A Langhnaz
- B Ganeshwar
- C Bagor
- D Adamgarh

**Answer: B**

**Question 79**

**The title of Persian translation of the Mahabharata is:\_\_\_\_\_**

- A Anwar-e-Suhaili
- B Razmanama
- C Hasht Bahisht
- D Ayar Danish

**Answer: B**

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**Question 80**

**Who is the planet moving in the opposite direction than other planets in Solar System?**

- A Neptune
- B Pluto
- C Uranus
- D Saturn

**Answer: C**

**Question 81**

**As per the structure and origin, the Highlands of Meghalaya is part of which of the following?**

- A Himalaya range
- B Purvanchal Hill

C Arakan Yoma Mountain

D Peninsular plateau

**Answer: D**

**Question 82**

**What was Lord Mahavira's name prior to acquiring the Knowledge?**

A Vardhman

B Anshuman

C Sudhakar

D Somdutt

**Answer: A**

## SSC CHSL Free Mock Test

**Question 83**

**Under the Indus water Treaty, India has not been given the exclusive right over which of the following rivers?**

A Ravi

B Satluj

C Jhelum

D Beas

**Answer: C**

**Question 84**

**Who was awarded the 2018 Padma Bhushan Award in the field of Art-Music?**

A Anuradha Paudwal

B R. Sathyanarayan

C Sharda Sinha

D Ibrahim Sultan

**Answer: C**

**Question 85**

**How many background colours there are in Bhutan's national flag?**

A 1

B 2

C 3

D 4

Answer: B

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### Question 86

Match the following items of column (A) to items of column (B).

Column A	Column B
1 Polyester	Fabrics do not wrinkle easily
2 Teflon	Used for making parachutes
3 Rayon	Prepared by using wood pulp
4 Nylon	For non-stick coating on cook

A I-2,II-3,III-1,IV-4

B I-3,II-1,III-4,IV-2

C I-2,II-4,III-1,IV-3

D I-1,II-4,III-3,IV-2

Answer: D

### Question 87

Which of the following fuel has maximum calorific value?

- A Petrol
- B Coal
- C Wood
- D Cow dung

Answer: A

### Question 88

Election Commission is not concerned with which of the following elections?

- A Election of President of India
- B Elections of Parliament
- C Elections of State Legislature
- D Elections of Panchayats

Answer: D

## SSC CGL Previous Papers (DOWNLOAD PDF)

### Question 89

The Attorney General of India is appointed by whom?

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

Answer: D

**Question 90**

Which plant tissue is also known as growing tissue?

- A Only permanent tissue
- B Only Meristematic tissue
- C Both Permanent and meristematic tissue
- D Neither Permanent nor meristematic tissue

Answer: B

**Question 91**

Match the following.

	Scientist	Contribution
I	Charles Robert	1 Origin of life on earth
II	Gregor johann	2 Theory of evolution
III	J.B.S Haldane	3 Law of inheritance

- A I-2,II-3,III-1
- B I-1,II-3,III-2
- C I-3,II-1,III-2
- D I-3,II-2,III-1

Answer: A

## SSC CGL Free Mock Test (Latest Pattern)

**Question 92**

Who launched 'National Biopharma mission' named 'i3' in June, 2017?

- A Piyush Goyal
- B Rajnath Singh
- C Dr. Harsh Vardhan
- D Arun Jaitley

Answer: C

Question 93

California based private spaceflight company Space X has launched which secret mission for United States government?

- A Sprint
- B Zuma
- C Cygnus
- D Dream Chaser

Answer: B

Question 94

In December 2017, SEBI tightened rating agency norms. The net worth requirement for rating agencies has now been increased from Rs 5 crore to \_\_\_\_\_

- A Rs 10 crore
- B Rs 15 crore
- C Rs 20 crore
- D Rs 25 crore

Answer: D

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

Question 95

In April 2017, Agriculture Ministry Unveiled Model APMC Act. The new Act proposes to put a Cap on Mandi taxes at what rate (in percent) for food grain?

- A 5
- B 1
- C 2.5
- D 8

Answer: B

Question 96

Calculate the pressure (in Pa) if a thrust of 600 N is applied to an area of  $24m^2$ .

- A 144
- B 50
- C 25
- D 72

Answer: C

**Question 97**

The ratio of change in velocity of a body to the total time taken by it is its \_\_\_\_\_

- A acceleration
- B displacement
- C force
- D momentum

**Answer: A**

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**Question 98**

The greater the difference in \_\_\_\_\_, the faster the air moves.

- A humidity
- B pressure
- C altitude
- D latitude

**Answer: B**

**Question 99**

Which of the statements given below are correct?

- A) Viktor Axelsen won the Men's Singles Badminton 2017 BWF World Championships.
- B) Max Verstappen won the Formula One 2017 United States Grand Prix.
- C) In 2018 IPL auctions, Sunrisers Hyderabad retained David Warner.

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

**Answer: B**

**Question 100**

In Microsoft Word, under paragraph formatting is used to align paragraph on right, left and center.

- A Font style
- B Indentation
- C Alignment
- D Spacing

**Answer: C**

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