



## SSC CHSL 6 March 2018 Evening Shift

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**Instructions**

For the following questions answer them individually

**Question 1**

Find the square root of 1485961.

- A 1213
- B 1219
- C 1229
- D 1239

**Answer: B**

**Explanation:**

$$\text{Factorization of } 1485961 = 23^2 \times 53^2$$

$$\Rightarrow \text{Square root} = \sqrt{1485961} = \sqrt{23^2 \times 53^2}$$

$$= 23 \times 53 = 1219$$

$\Rightarrow$  Ans - (B)

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**Question 2**

If  $a^2 + b^2 = 80$  and  $ab = 32$ , then calculate the value of  $\frac{a-b}{a+b}$

- A 0.337
- B 0.339
- C 0.333
- D 0.335

**Answer: C**

**Explanation:**

$$\text{Given : } a^2 + b^2 = 80 \text{ -----(i) and } ab = 32$$

$$\Rightarrow 2ab = 64 \text{ -----(ii)}$$

Adding equations (i) and (ii), we get :

$$\Rightarrow a^2 + b^2 + 2ab = 80 + 64$$

$$\Rightarrow (a + b)^2 = 144$$

$$\Rightarrow (a + b) = \sqrt{144} = 12$$

Similarly,  $(a - b) = 4$

$$\therefore \frac{a-b}{a+b}$$

$$= \frac{4}{12} = 0.333$$

$\Rightarrow$  Ans - (C)

**Question 3**

What is the value of  $(-7776)^{\frac{2}{5}}$

- A 16
- B 36
- C 64
- D 21

Answer: B

Explanation:

$$\text{Expression : } (-7776)^{\frac{2}{5}}$$

$$= -(6^5)^{\frac{2}{5}}$$

$$= (-6)^2 = 36$$

=> Ans - (B)

Question 4

What is the value of  $x^3 - \frac{1}{x^3} + 8$  when  $8x - \frac{8}{x} - 16 = 0$  ?

- A 14
- B 8
- C 16
- D 22

Answer: D

Explanation:

$$\text{Given : } 8x - \frac{8}{x} - 16 = 0$$

$$\Rightarrow x - \frac{1}{x} = 2 \text{ -----(i)}$$

Cubing both sides, we get :

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

$$\Rightarrow (x^3 - \frac{1}{x^3}) - 3(x)(\frac{1}{x})(x - \frac{1}{x}) = 8$$

Substituting value from equation (i),

$$\Rightarrow (x^3 - \frac{1}{x^3}) - 3(1)(2) = 8$$

$$\Rightarrow x^3 - \frac{1}{x^3} = 8 + 6 = 14$$

$$\therefore x^3 - \frac{1}{x^3} + 8 = 22$$

=> Ans - (D)

## SSC CHSL Free Mock Test

Question 5

The triangle in which the orthocenter, circumcentre, Incenter and the centroid coincide each other at a point is known as \_\_\_\_\_.

- A isosceles triangle
- B equilateral triangle
- C right angled triangle

D obtuse angled triangle

Answer: B

**Explanation:**

Only in an *equilateral triangle*, the orthocenter, circumcentre, Incenter and the centroid coincide each other at a point.

=> Ans - (B)

**Question 6**

If the radius of a circle is decreased to 25% of its original value, calculate the percentage decrease in the area of the circle.

A 25%

B 43.75%

C 50%

D 93.75%

Answer: B

**Explanation:**

Let the radius of the circle initially =  $r = 20$  cm

$$\Rightarrow \text{Area} = A = \pi r^2 = \pi(20)^2 = 400\pi$$

$$\text{New radius} = r' = 20 - \left(\frac{25}{100} \times 20\right) = 15 \text{ cm}$$

$$\Rightarrow \text{New Area} = A' = \pi(15)^2 = 225\pi$$

$$\therefore \text{Percent decrease in area} = \frac{(400\pi - 225\pi)}{400\pi} \times 100$$

$$= \frac{175}{4} = 43.75\%$$

=> Ans - (B)

**Question 7**

On decreasing the price of a fan by 40%, its sales increases by 50%. What will be the percentage increase or decrease in its revenue?

A 15% increase

B 15% decrease

C 10% decrease

D 10% increase

Answer: C

**Explanation:**

Let 10 fans are sold for Rs. 10, i.e. price of 1 fan = Re 1

$$\Rightarrow \text{Revenue} = 10 \times 10 = \text{Rs. } 100$$

$$\text{Price is decreased by 40\%,} \Rightarrow \text{New price} = 10 - \left(\frac{40}{100} \times 10\right) = \text{Rs. } 6$$

$$\text{Similarly, new sales} = 10 + \left(\frac{50}{100} \times 10\right) = 15$$

$$\Rightarrow \text{New revenue} = 6 \times 15 = \text{Rs. } 90$$

$$\therefore \% \text{ decrease in revenue} = \frac{(100 - 90)}{100} \times 100 = 10\%$$

=> Ans - (C)

## SSC CHSL Previous Papers (DOWNLOAD PDF)

### Question 8

A sum of Rs 2489 is divided among A, B and C such that if Rs 12, Rs 12 and Rs 5 be diminish from the shares of A, B and C respectively, then their shares will be in the ratio of 5: 3: 4. What is the new share (in Rs) of C?

- A 750
- B 1060
- C 1475
- D 820

Answer: D

### Explanation:

Let the ratio of new shares of A, B and C = 5 : 3 : 4

Total amount deducted to get new share =  $2489 - (12 + 12 + 5) = Rs. 2460$

Let amount with A, B and C be Rs.  $5x$ ,  $3x$  and  $4x$  respectively.

$$\Rightarrow 5x + 3x + 4x = 12x = 2460$$

$$\Rightarrow x = \frac{2460}{12} = 205$$

$$\therefore \text{New share of C} = 4 \times 205 = Rs. 820$$

$\Rightarrow$  Ans - (D)

### Question 9

The milk and water in two vessels are in the ratio of 3: 1 and 7: 11 respectively. In what ratio should the liquid in both the vessels be mixed to obtain a new mixture containing half milk and half water?

- A 5:7
- B 4:9
- C 1:1
- D 4:7

Answer: B

### Explanation:

$$\text{Milk in 1 litre mixture of vessel 1} = \frac{3}{4}$$

$$\text{Milk in 1 litre mixture of vessel 2} = \frac{7}{18}$$

$$\text{Milk in 1 litre of the new mixture} = \frac{1}{2}$$

Let ratio of liquid from both vessels be  $x : y$

$$\Rightarrow \left(\frac{3}{4}x\right) + \left(\frac{7}{18}y\right) = \frac{1}{2}(x + y)$$

Multiply both sides by L.C.M. (4,18,2) = 36

$$\Rightarrow 27x + 14y = 18x + 18y$$

$$\Rightarrow 27x - 18x = 18y - 14y$$

$$\Rightarrow 9x = 4y$$

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

∴ Liquid of both the vessels should be mixed in the ratio **4 : 9** such that a new mixture containing half milk and half water is obtained.

=> Ans - (B)

#### Question 10

**Average of 14 numbers is 32. If the average of last 5 numbers is 26, then what is the average of the remaining numbers?**

A 35.33

B 41.33

C 27.5

D 44.5

**Answer: A**

#### Explanation:

Average of 14 numbers = 32

=> Sum of 14 numbers =  $32 \times 14 = 448$

Average of last 5 numbers = 26

=> Sum of last 5 numbers =  $26 \times 5 = 130$

Thus, sum of remaining (14-5) 9 numbers =  $448 - 130 = 318$

∴ Required average =  $\frac{318}{9} = 35.33$

=> Ans - (A)

## SSC CGL Previous Papers (DOWNLOAD PDF)

#### Question 11

**A person borrows some money for 8 years at a rate of simple interest. If the ratio of principal and total interest is 5: 8, then what is the rate ( in percentage) of interest?**

A 10

B 20

C 25

D 30

**Answer: B**

#### Explanation:

Let Principal amount = Rs.  $5x$  and interest = Rs.  $8x$

Let rate of interest =  $r\%$  and time period = 8 years

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

=>  $\frac{5x \times r \times 8}{100} = 8x$

=>  $\frac{5r}{100} = 1$

=>  $r = \frac{100}{5} = 20\%$

=> Ans - (B)

#### Question 12

**Cost price of a watch is Rs 530. If the loss percentage is 24%, then what is the value (in Rs) of loss?**

- A 127.2
- B 153.2
- C 139.4
- D 114.2

Answer: A

**Explanation:**

Cost price = Rs. 530

Loss % = 24%

$$\Rightarrow \text{Loss amount} = \frac{24}{100} \times 530$$

$$= \frac{12}{5} \times 53 = \text{Rs. } 127.2$$

$\Rightarrow$  Ans - (A)

**Question 13**

Maresh buys a watch of Rs 300 and sells it. Maresh gives two successive discount of 15% and 6% to the buyer. What will be the selling price (in Rs) of the watch?

- A 213.4
- B 242.3
- C 239.7
- D 247.4

Answer: C

**Explanation:**

Cost price of watch = Rs. 300

$$\text{Price after 1st discount of 15\%} = 300 - \left(\frac{15}{100} \times 300\right) = \text{Rs. } 255$$

$$\text{Selling Price after 2nd discount of 6\%} = 255 - \left(\frac{6}{100} \times 255\right) = \text{Rs. } 239.7$$

$\Rightarrow$  Ans - (C)

## SSC CGL Free Mock Test (Latest Pattern)

**Question 14**

What is the simplified value of  $\sqrt{12} - \frac{1}{\sqrt{3}}$

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

Answer: B

**Explanation:**

$$\text{Expression : } \sqrt{12} - \frac{1}{\sqrt{3}}$$

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

$$= \frac{6-1}{\sqrt{3}} = \frac{5}{\sqrt{3}}$$

=> Ans - (B)

#### Question 15

P can complete a work in 15 days and Q in 24 days. They began the work together, but Q left the work 2 days before its completion. In how many days, was the work completed?

- A 12
- B 10
- C 9
- D 11

**Answer: B**

#### Explanation:

Let the total work to be done = L.C.M.(15,24) = 120 units

P can complete the work in 15 days, => P's efficiency =  $\frac{120}{15} = 8$  units/day

Similarly, Q's efficiency =  $\frac{120}{24} = 5$  units/day

Let the work is completed in  $t$  days, thus P worked for  $t$  days while Q for  $(t - 2)$  days

$$\Rightarrow 8(t) + 5(t - 2) = 120$$

$$\Rightarrow 8t + 5t - 10 = 120$$

$$\Rightarrow 13t = 120 + 10 = 130$$

$$\Rightarrow t = \frac{130}{13} = 10$$

∴ The work is completed in **10 days**.

=> Ans - (B)

#### Question 16

A bus moves at a speed of 84 km/hr after repairing and moves at a speed of 56 km/hr before repairing. It covers  $2x$  distance in 8 hours after repairing. How much time (in hours) will it take to cover  $x$  distance before repairing

- A 8
- B 5
- C 6
- D 9

**Answer: C**

#### Explanation:

Speed of bus after repairing = 84 km/hr

Distance covered in 8 hours after repairing =  $2x$  km

Using, speed = distance/time

$$\Rightarrow 84 = \frac{2x}{8}$$

$$\Rightarrow x = 84 \times 4 = 336 \text{ km}$$

Speed of bus before repairing = 56 km/hr



Now, time taken (in hours) to cover 336 km before repairing =  $\frac{336}{56} = 6$

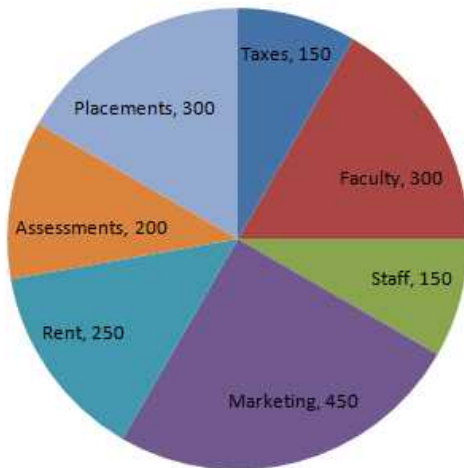
=> Ans - (C)

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

### Instructions

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

Expenditure in Rs.Lakhs



### Question 17

The highest expenditure is for which item?

- A Rent
- B Marketing
- C Assessments
- D Placements

Answer: B

### Explanation:

The highest expenditure is for **Marketing** = Rs. 450 lakhs

=> Ans - (B)

### Question 18

What is the total expenditure (in Rs lakhs)?

- A 1800
- B 900
- C 2000
- D 1000

Answer: A

### Explanation:

Total expenditure (in Rs lakhs)

= 150 + 300 + 150 + 450 + 250 + 200 + 300

= 1800

=> Ans - (A)

**Question 19**

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

A 30

B 45

C 75

D 60

**Answer: D**

**Explanation:**

Expenditure in Faculty (in Rs lakhs) = 300

Total expenditure (in Rs lakhs)

= 150 + 300 + 150 + 450 + 250 + 200 + 300 = 1800

=> Required central angle =  $\frac{300}{1800} \times 360^\circ$

=  $\frac{360^\circ}{6} = 60^\circ$

=> Ans - (D)

**SSC CHSL Study Material**

**Question 20**

Expenditure on Assessments and Placements constitute what percent of total expenditure?

A 33.3%

B 25%

C 30%

D 27.77%

**Answer: D**

**Explanation:**

Expenditure on Assessments and Placements (in Rs lakhs) = 200 + 300 = 500

Total expenditure (in Rs lakhs)

= 150 + 300 + 150 + 450 + 250 + 200 + 300 = 1800

=> Required % =  $\frac{500}{1800} \times 100$

=  $\frac{250}{9} = 27.77\%$

=> Ans - (D)

**Instructions**

For the following questions answer them individually

**Question 21**

The perimeter and the breadth of a rectangle are 60 cm and 14 cm respectively. Find its area (in cm<sup>2</sup>).

A 112

B 448

C 224

D 336

Answer: C

**Explanation:**

Let  $l$  be the length of rectangle and breadth,  $b = 14$  cm

$$\Rightarrow \text{Perimeter} = 2(l + b) = 60$$

$$\Rightarrow l + 14 = \frac{60}{2} = 30$$

$$\Rightarrow l = 30 - 14 = 16 \text{ cm}$$

$$\therefore \text{Area} = 16 \times 14 = 224 \text{ cm}^2$$

$\Rightarrow$  Ans - (C)

**Question 22**

If the perimeter of a semi-circle is 108 cm, then find its radius (in cm).

A 42

B 28

C 56

D 21

Answer: D

**Explanation:**

Let radius of semi circle =  $r$  cm

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

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

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

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

$$\Rightarrow r = 3 \times 7 = 21 \text{ cm}$$

$\Rightarrow$  Ans - (D)

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**Question 23**

Find the volume (in  $\text{cm}^3$ ) of a cube of side 7.5 cm.

A 421.875

B 77.145

C 39.245

D 24.435

Answer: A

**Explanation:**

Side of cube =  $a = 7.5$  cm

=> Volume of cube =  $a^3$

$$= (7.5)^3 = 421.875 \text{ cm}^3$$

=> Ans - (A)

#### Question 24

What is the value of  $(\cot 30^\circ + 2/\sqrt{3})$  ?

A  $5/\sqrt{3}$

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

C  $\frac{5}{6}$

D  $2/\sqrt{3}$

Answer: A

Explanation:

Expression :  $\cot(30^\circ) + \frac{2}{\sqrt{3}}$

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

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

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

=> Ans - (A)

#### Question 25

$\Delta XYZ$  is right angled at Y. If  $\tan X = 24/7$ , then what is the value of  $\cot Z$  ?

A  $25/7$

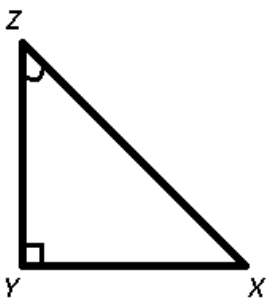
B  $24/25$

C  $7/24$

D  $24/7$

Answer: D

Explanation:



Given :  $\tan X = \frac{24}{7}$

Also,  $\tan X = \frac{YZ}{XY} = \frac{24}{7}$

Let  $XY = 7$  cm and  $YZ = 24$  cm

To find :  $\cot Z = \frac{YZ}{XY}$

$$= \frac{24}{7}$$

=> Ans - (D)

## 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.

Start: End:: ? : ?

A Hot: Water

B Love: Care

C Green: Go

D Up: Down

Answer: D

#### Explanation:

Expression = Start: End:: ? : ?

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

=> Ans - (D)

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#### Question 27

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

31: 42:: ? : ?

A 53: 64

B 47: 59

C 61: 73

D 44: 34

Answer: A

#### Explanation:

Expression = 31: 42:: ? : ?

The difference between the first and second number is 11. Among the options,

(A) :  $64 - 53 = 11$

(B) :  $59 - 47 = 12$

(C) :  $73 - 61 = 8$

(D) :  $44 - 34 = 10$

=> Ans - (A)

**Question 28**

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

FUT: JYX:: BUG: ?

A AYG

B FYK

C LCK

D FAM

**Answer: B**

**Explanation:**

Expression = FUT: JYX:: BUG: ?

The pattern followed is :

F	U	T
(+4)	(+4)	(+4)
J	Y	X

Similarly, BUG : FYK

B	U	G
(+4)	(+4)	(+4)
F	Y	K

=> Ans - (B)

**Question 29**

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

A Ocean

B Sea

C Desert

D River

**Answer: C**

**Explanation:**

Ocean, sea and river are filled with water, while desert is filled with sand, hence it is the odd one out.

=> Ans - (C)

## 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 101 - 105

B 103 - 107

C 102 - 106

D 104 - 106

Answer: D

**Explanation:**

The difference between each of the pair of numbers is 4.

But in the last option =>  $106 - 104 = 2$

Thus, (104 - 106) is the odd one out.

=> Ans - (D)

**Question 31**

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

A KQW

B RXD

C BHN

D AGL

Answer: D

**Explanation:**

(A) : K (+6 letters) = Q (+6 letters) = W

(B) : R (+6 letters) = X (+6 letters) = D

(C) : B (+6 letters) = H (+6 letters) = N

(D) : A (+6 letters) = G (+5 letters) = L

=> Ans - (D)

**Question 32**

From the given alternatives, according to dictionary, which word will come at the LAST position?

1. Toast
2. Torpedo
3. Tongue
4. Trickle
5. Trick

A Trick

B Trickle

C Tongue

D Torpedo

Answer: B

**Explanation:**

As per the order of dictionary :

= Toast -> Tongue -> Torpedo -> Trick -> Trickle

Thus, the last word = **Trickle**

=> Ans - (B)

**Question 33**

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

13, 17, 19, 23, 29, ?

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

**Answer: B**

**Explanation:**

Series : 13, 17, 19, 23, 29, ?

Consecutive prime numbers are written.

Thus, the next prime number after 29 = **31**

=> 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.

UY, SV, QS, OP, ?

- A NM
- B ML
- C MM
- D KL

**Answer: C**

**Explanation:**

Series : UY, SV, QS, OP, ?

The pattern followed in each letter of the terms is :

1st letter : U (-2 letters) = S (-2 letters) = Q (-2 letters) = O (-2 letters) = M

2nd letter : Y (-3 letters) = V (-3 letters) = S (-3 letters) = P (-3 letters) = M

Thus, missing term = **MM**

=> Ans - (C)

**Question 35**

L, M, N, O and P are sitting in a line facing east. L and M are sitting together. N is sitting at north end and O is sitting at south end. P is the neighbour of M and N. Who is third from north end?

- A L
- B O
- C M
- D P

**Answer: C**

**Explanation:**



N is sitting at north end and O is sitting at south end.

N
O

P is the neighbour of M and N, => P sits just below N.

Also, M and L sits together, thus the arrangement is :

N
P
M
L
O

∴ M is third from north end.

=> Ans - (C)

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### Question 36

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

Corporate

- A Poor
- B Rate
- C Cat
- D Prove

Answer: D

#### Explanation:

The word CORPORATE does not contain any 'V', thus the term **Prove** cannot be formed.

=> Ans - (D)

### Question 37

In a certain code language, "PRICE" is written as "GEKTR". How is "VALUE" written in that code language?

- A FWNCX
- B FNWDY
- C DWNCY
- D GWNCX

Answer: D

#### Explanation:

"PRICE" is written as "GEKTR"

The pattern followed is that when we reverse the word, we have : ECIRP

E	C	I	R	P
(+2)	(+2)	(+2)	(+2)	(+2)
G	E	K	T	R

Similarly, for VALUE :

E	U	L	A	V
(+2)	(+2)	(+2)	(+2)	(+2)
G	W	N	C	X

=> Ans - (D)

### Question 38

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

$$9 - 18 + 35 \times 10 \div 30 = ?$$

- A 44
- B 42
- C 40
- D 41

Answer: B

#### Explanation:

$$\text{Expression : } 9 - 18 + 35 \times 10 \div 30 = ?$$

$$\equiv 9 + 18 \times 35 \div 10 - 30$$

$$= 9 + (9 \times 7) - 30$$

$$= 63 - 21 = 42$$

=> Ans - (B)

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### Question 39

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

$$20 \div 14 + 5 \times 20 - 2 = 56$$

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

Answer: B

#### Explanation:

$$\text{Expression : } 20 \div 14 + 5 \times 20 - 2 = 56$$

(A) : + and x

$$\equiv 20 \div 14 \times 5 + 20 - 2 = 56$$

$$\text{L.H.S.} = 7.14 + 18 = 25.14 \neq \text{R.H.S.}$$

(B) : ÷ and -

$$\equiv 20 - 14 + 5 \times 20 \div 2 = 56$$

$$\text{L.H.S.} = 6 + \frac{100}{2} = 56 = \text{R.H.S.}$$

=> Ans - (B)

#### Question 40

If  $16\alpha^1 = 8$ ,  $14\alpha^6 = 42$  and  $12\alpha^5 = 30$ , then find the value of  $2\alpha^6 = ?$

- A 6
- B 18
- C 4
- D 10

Answer: A

#### Explanation:

Given :  $16\alpha^1 = 8$ ,  $14\alpha^6 = 42$  and  $12\alpha^5 = 30$

If we replace ' $\alpha$ ' with 'x', and divide the product by 2, we get the desired result.

$$\text{Eg :- } \frac{16 \times 1}{2} = 8$$

$$\text{and } \frac{14 \times 6}{2} = 42 \text{ and } \frac{12 \times 5}{2} = 30$$

$$\text{Similarly, } \frac{2 \times 6}{2} = 6$$

=> Ans - (A)

#### Question 41

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

$XYZXYzXYZ$ ,  $XYZXYzXYZ$ ,  $XYZXyZXYZ$ ,  $XYZxYZXYZ$ ,  $XYzXYZXYZ$ , \_\_\_\_\_.

- A  $xYZXYZXYZ$
- B  $XYZXYzXYZ$
- C  $XyZXYZXYZ$
- D  $XYZXYzXYZ$

Answer: C

#### Explanation:

Expression :  $XYZXYzXYZ$ ,  $XYZXYzXYZ$ ,  $XYZXyZXYZ$ ,  $XYZxYZXYZ$ ,  $XYzXYZXYZ$ , \_\_\_\_\_.

The pattern followed is that in each term there are 3 combinations of 'XYZ' and in each term, one letter is small and its position is changing in decreasing order.

Thus, in the missing term, the second letter will be small =  $XyZXYZXYZ$

=> Ans - (C)

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#### Question 42

An insect walks 15 cm East, then it turns to its right and walks for another 20 cm. then it turns right and walks 4 cm, then it turns North and walks 20 cm, then finally it turns to its left and walks 2 cm. Where is the insect now with respect to its starting point.

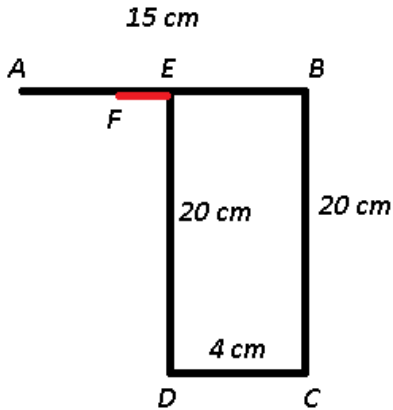
- A 9 cm East

- B 21 cm East
- C 9 cm West
- D 21 cm West

Answer: A

**Explanation:**

Let the insect start from point A and walks 15 cm East to reach B, then it turns to its right and walks southwards for another 20 cm. Again, it turns right and walks 4 cm to reach D, then it turns North and walks 20 cm to point E, then finally it turns to its left and walks 2 cm to stop at point F.



$$\Rightarrow AF = 15 - 4 - 2 = 9 \text{ cm}$$

$\therefore$  The insect is 9 cm east with respect to its starting point.

$\Rightarrow$  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 games are sports

**Statement II:** No exercise are games

**Conclusion I:** All sports are exercise

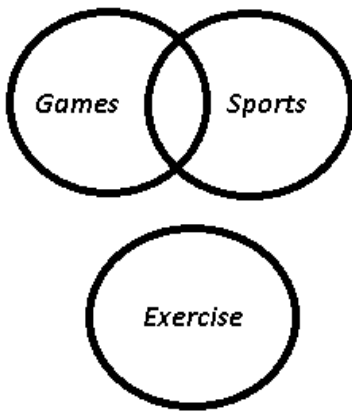
**Conclusion II:** Some exercise are sports

- 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 sports are exercise = false

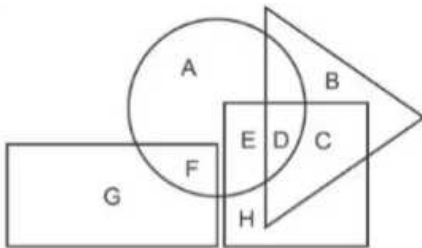
Conclusion II: Some exercise are sports = may or may not be true.

Thus, neither conclusion I nor conclusion II follows.

=> Ans - (D)

**Question 44**

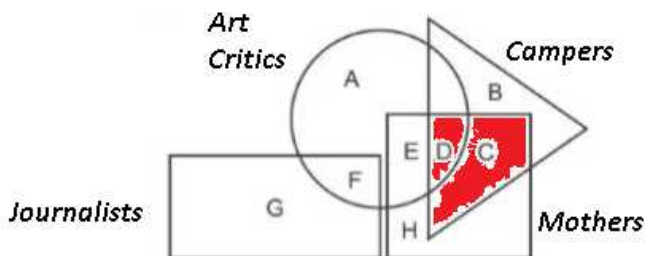
In the following figure, rectangle represents Journalists, circle represents Art critics, triangle represents Campers and square represents Mothers. Which set of letters represents Mothers who are Campers?



- A DC
- B BDCH
- C EDC
- D HEB

Answer: A

Explanation:



Mothers who are Campers are represented by = DC

=> Ans - (A)

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**Question 45**

A series is given with one term missing. Select the correct alternative from the given ones that will complete the series. ENG, GQI, ITK, KWM, ?

- A NAP
- B MZO
- C MAO
- D NZP

**Answer: B**

**Explanation:**

Series : ENG, GQI, ITK, KWM, ?

The pattern followed in each letter of the terms is :

1st letter : E (+2 letters) = G (+2 letters) = I (+2 letters) = K (+2 letters) = M

2nd letter : N (+3 letters) = Q (+3 letters) = T (+3 letters) = W (+3 letters) = Z

3rd letter : G (+2 letters) = I (+2 letters) = K (+2 letters) = M (+2 letters) = O

Thus, missing term = **MZO**

=> Ans - (B)

**Question 46**

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

58, 61, 65, 70, ?, 83

- A 77
- B 76
- C 78
- D 75

**Answer: B**

**Explanation:**

Consecutive integers are added.

$$58 + 3 = 61$$

$$61 + 4 = 65$$

$$65 + 5 = 70$$

$$70 + 6 = \mathbf{76}$$

$$76 + 7 = 83$$

=> 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 (7, 14, 21)
- B (5, 12, 19)
- C (3, 10, 17)
- D (9, 16, 35)

**Answer: D**

**Explanation:**

The numbers are of the form :  $(x, x + 7, x + 14)$

But in the last option, we have  $= 9 + 14 = 23 \neq 35$

Thus,  $(9, 16, 35)$  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: B**

**Explanation:**

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

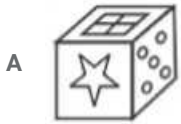
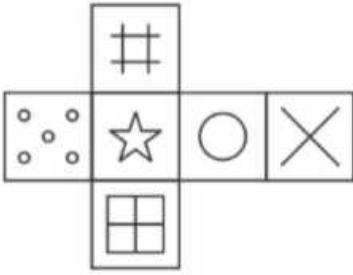
So the circle at top right will now appear at bottom right.

Also, in the question figure at bottom left, the triangle is pointing downwards, hence it will appear at top left side facing upwards, hence second option is the right image.

=> Ans - (B)

Question 49

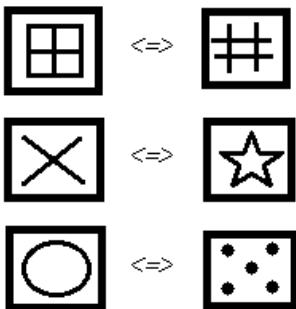
Which of the following cube in the answer figure cannot be made based on the unfolded cube in the question figure?



Answer: C

Explanation:

When we fold the given figure, the circle with star sign will become the base of the cube and the side with 'X' sign will become top, and thus they will face each other. Similarly, the sides which will face each other will be :



Since, the opposite sides cannot be adjacent in the cube, thus the cube in the 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 'F' can be represented by 41, 24 etc and 'V' can be represented by 57, 78 etc. Similarly, you have to identify the set for the word 'MOCK'.

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

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

- A 20,86,11,65
- B 13,67,22,20
- C 12,89,12,69
- D 20,59,20,76

Answer: B

Explanation:

- (A) : 20,86,11,65 = KXHY
  - (B) : 13,67,22,20 = **MOCK**
  - (C) : 12,89,12,69 = LSLO
  - (D) : 20,59,20,76 = KXKN
- => Ans - (B)

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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

The first and decisive step (a)/ in the expansion of Europe overseas (b)/ was the conquest of Atlantic Ocean. (c)/ No error (d)

- A The first and decisive step
- B in the expansion of Europe overseas
- C was the conquest of Atlantic Ocean
- D No error

Answer: C

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

**Question 52**

The word 'Macabre' had been gained its significance from its (a)/ use in French as la danse macabre for the allegorical (b)/ representation of the universal power of death. (c)/ No error (d)

- A The word 'Macabre' had been gained its significance from its
- B use in French as la danse macabre for the allegorical
- C representation of the universal power of death
- 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**

She was chatting \_\_\_\_\_ the cars.

- A of
- B about
- C with
- D on

**Answer: B**

**Question 54**

Success is achieved twice, once in the mind and the second time in the \_\_\_\_\_ world.

- A real
- B virtual
- C fantasy
- D artificial

**Answer: A**

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**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**

**Naive**

- A Sarcastic
- B Artful

- C Skeptical
- D Ingenuous

**Answer: D**

**Question 56**

**Surly**

- A Sweet
- B Unfriendly
- C Clear
- D Pleasant

**Answer: B**

**Instructions**

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

**Question 57**

**Myopic**

- A Blind
- B Biased
- C Careless
- D Farsighted

**Answer: D**

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**Question 58**

**Defile**

- A Pollute
- B Abuse
- C Shame
- D Honour

**Answer: D**

**Instructions**

For the following questions answer them individually

**Question 59**

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

**Attempts in India**

**P: honesty and more by blind faith**

**Q: by the government to validate traditional**

**R: medicine are driven less by**

- A QPR
- B RPQ
- C QRP
- 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 officer cuts down the tree.

- A The tree is cut down by the officer.
- B The tree got cut down by the officer.
- C The tree is cut by the officer.
- D The tree cut by the officer.

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.

Raj said, "I am happy to be here this evening."

- A Raj said that he was happy to be there that evening.
- B Raj was happy to be there this evening.
- C Raj said he was happy to be there this evening.
- D Raj says he is happy to be there.

Answer: A

**Question 62**

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

- A Glamorous
- B Glamrous
- C Glamorous
- D Gleamorous

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.

The most powerful and the most perfect \_\_\_\_\_ of thought and feeling through the medium of oral language must be traced to the mastery of words. \_\_\_\_\_ is better suited to lead speakers and readers \_\_\_\_\_ English into an easy control of this language than the command of the phrase that perfectly expresses the thought. Every speaker's aim is to be heard and \_\_\_\_\_. A clear, crisp \_\_\_\_\_ holds an audience as by the spell of some irresistible power.

**Question 63**

the most perfect \_\_\_\_\_ of thought and feeling

- A express
- B expressive
- C expressings
- D expression

Answer: D

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**Question 64**

mastery of words. \_\_\_\_\_ is better suited to lead

- A No
- B Not
- C None
- D Nothing

Answer: D

**Question 65**

and readers \_\_\_\_\_ English into an easy

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

Answer: B

**Question 66**

aim is to be heard and \_\_\_\_\_. A clear

- A understand
- B understandable
- C understood

D understandably

Answer: C

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Question 67

crisp \_\_\_\_\_ holds an audience as

- A articulate
- B articulates
- C articulations
- D articulation

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

At the top of your lungs

- A Be a habitual smoker.
- B Be breathless after an exhausting physical task.
- C Feel suffocated in a very crowded place.
- D Extremely loudly.

Answer: D

Question 69

The wheels have come off

- A To use something so much that it wears out.
- B Things start to fail or go wrong, especially after a period of success.
- C To do a shoddy job which is destined to fail.
- D Make an excuse to avoid doing a task.

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

An attractively tall, graceful, and dignified woman

- A Terse
- B Pithy
- C Sententious
- D Statuesque

Answer: D

**Question 71**

The return of someone to his own country

- A Repatriation
- B Migrate
- C Emigrate
- D Immigrate

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**

The doctor removed the eye patch and asked him how he (were feeling).

- A was felt
- B has feeling
- C was feeling
- D no improvement

Answer: C

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**Question 73**

It is nothing less than magic which (will transformed) tiny teeny seeds into fruits of life.

- A transform
- B transforms
- C transforming
- 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.

Many a bird found

A: secure in the branches

B: safety in the trees and

C: built their nests, feeling

A BAC

B BCA

C ACB

D ABC

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 daclination

B declination

C declination

D daclineation

Answer: C

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**General Awareness**

**Instructions**

For the following questions answer them individually

**Question 76**

When the productive capacity of the economic system of state is inadequate to create sufficient number of jobs, it is called \_\_\_\_\_.

A seasonal unemployment

B structural unemployment

C disguised unemployment

D cyclical unemployment

Answer: D

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**Question 77**

Which of the following contributes the maximum earning in Indian Railways?



- A Passenger Earning
- B Goods Traffic Earning
- C Sundry Earning
- D Other Coach Earning

Answer: B

**Question 78**

Which of the following Vedas is referred to as the starting source of the word Rudra?

- A Rigveda
- B Samaveda
- C Yajurveda
- D Atharvaveda

Answer: A

**Question 79**

The eminent Saint Vallabhacharya was associated with which of the following branches?

- A Gyanashrayi
- B Krishnashrayi
- C Premashrayi
- D Ramashrayi

Answer: B

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**Question 80**

Which of the following is NOT a terrestrial planet?

- A Mercury
- B Venus
- C Mars
- D Saturn

Answer: D

**Question 81**

The Tropic of Cancer passes through how many states of India?

- A 5

B 6

C 7

D 8

Answer: D

Question 82

When was Guru Nanak Dev born?

A 1449 AD

B 1453 AD

C 1469 AD

D 1499 AD

Answer: C

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Question 83

Which of the following country is NOT a member of the 'Indian Ocean Rim Association (IORA)?

A Seychelles

B Sri Lanka

C India

D China

Answer: D

Question 84

Which of the following President was awarded the Nobel Peace Prize 2016?

A Raffel Korea

B Juan Manuel Santos

C Donald Trump

D Alexander Lukashenko

Answer: B

Question 85

Who is the the present Prime Minister of Pakistan?

A Imran Khan

B Shahid Khaqan Abbasi

C Muhammad Nawaz Sharif

D Yousaf Raza Gillani

Answer: A

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Question 86

In which part of the human body fat is completely digested?

A Small Intestine

B Liver

C Stomach

D Large Intestine

Answer: A

Question 87

Which of the following statement(s) is/are INCORRECT regarding Phosphorus?

A Phosphorus reacts vigorously with water.

B It is a non-metal.

C It catches fire on reacting with air.

D It is found in group 15 of the modern periodic table.

Answer: A

Question 88

Match the following

Body	Type
I. Panchayti raj	1.Non-Constitutional
II.Election Commission	2.Local Government
III.Central Information Commission	3.Constitutional

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

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

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

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

Answer: C

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Question 89

All the members of a municipality are \_\_\_\_\_ by the people of municipal area.

A Elected directly

- B Elected indirectly
- C Nominated proportionally
- D Nominated indirectly

Answer: A

**Question 90**

The maintenance functions of living organisms are performed by the \_\_\_\_\_.

- A chemical processes
- B life processes
- C physical processes
- D No option is correct.

Answer: B

**Question 91**

Which causes the breakdown of pyruvate into lactic acid in our muscles?

- A Lack of water
- B Lack of Oxygen
- C Lack of carbon dioxide
- D Lack of nitrogen

Answer: B

## SSC CGL Free Mock Test (Latest Pattern)

**Question 92**

In September 2017, "Pradhan Mantri Sahaj Bijli Har Ghar Yojna" was launched for giving electricity connections in rural and urban areas by \_\_\_\_\_.

- A March, 2019
- B December, 2018
- C March, 2018
- D October, 2018

Answer: B

**Question 93**

By which process the Chinese Scientists have cloned two identical long: tailed macaques?

- A Polymerase chain reaction
- B Parthenogenesis

- C Somatic cell nuclear transfer
- D Embryonic cell nuclear transfer

Answer: C

**Question 94**

In India, how much percent of GDP is the fiscal deficit target for the Financial Year 2017:18?

- A 4.20%
- B 3.20%
- C 2.20%
- D 4.00%

Answer: B

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

**Question 95**

On 10 April 2017, Lok Sabha Passed the Motor Vehicles Act (Amendment) Bill, 2016. Under the new provisions, government will develop a scheme fo cashless treatment of road accident victims during \_\_\_\_\_.

- A Silver hour
- B Platinum hour
- C Diamond hour
- D Golden hour

Answer: D

**Question 96**

A bullet of mass 10gm is fired with a velocity of 40 m/s from a gun of mass 8 kg. Find the recoil velocity (in m/s) of the gun.

- A 2
- B 0.1
- C 4
- D 0.05

Answer: D

**Question 97**

During uniform motion of an object along a straight line, its \_\_\_\_\_ remains constant with time.

- A acceleration
- B deceleration

- C force
- D velocity

Answer: D

## SSC CHSL Study Material

### Question 98

The bodies of penguins are \_\_\_\_\_ and their feet have webs, making them good swimmers.

- A heavy
- B feathery
- C streamlined
- D oily

Answer: C

### Question 99

Which of the statements given below are correct?

- A) Dani Pedrosa won the 2017 Qatar Motorcycle Grand Prix MotoGP.
- B) Bernhard Langer won the Golf 2017 BMW PGA Championship.
- C) Dustin Johnson won the Formula One 2017 Abu Dhabi Grand Prix.

- A Only B
- B B and C
- C A, B and C
- D None of these

Answer: D

### Question 100

In Microsoft Word, under character formatting \_\_\_\_\_ increases/decreases the size of the characters.

- A Size
- B Font
- C Effects
- D Font style

Answer: A

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