



SSC CHSL 22 March 2018 Afternoon Shift

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

Instructions

For the following questions answer them individually

Question 1

If $\frac{196}{0.196} = \frac{19.6}{x}$ then what will be the value of x ?

- A 1.96
- B 10.96
- C 0.0196
- D 0.196

Answer: C

Explanation:

Expression : $\frac{196}{0.196} = \frac{19.6}{x}$

$$\Rightarrow \frac{196}{196} \times 1000 = \frac{19.6}{x} \times 10$$

$$\Rightarrow \frac{196}{x} = 10000$$

$$\Rightarrow x = \frac{196}{10000} = 0.0196$$

\Rightarrow Ans - (C)

25 SSC CHSL Mocks for just Rs. 149

Question 2

$\frac{1}{33}$ of $\frac{1}{66}$ of $\frac{1}{3}$ of $\frac{1}{66}$ of 10000 of a number will be what percentage of that number ?

- A 2.32
- B 1.32
- C 0.232
- D 0.0232

Answer: A

Explanation:

Let the number be x

$$\Rightarrow \text{Required \%} = \frac{1}{33} \times \frac{1}{66} \times \frac{1}{3} \times \frac{1}{66} \times 10000 \times 100$$

$$= 2.318 \approx 2.32\%$$

\Rightarrow Ans - (A)

Question 3

What is value of $(6x^2 - 5y^2)(6x^2 + 5y^2)$, If $x = \frac{1}{\sqrt{3}}$ and $y = \frac{1}{\sqrt{5}}$?

- A 2
- B 3
- C 4

D 5

Answer: B

Explanation:

Given : $x = \frac{1}{\sqrt{3}}$ and $y = \frac{1}{\sqrt{5}}$

$\Rightarrow x^2 = \frac{1}{3}$ and $y^2 = \frac{1}{5}$

Again, squaring both terms, we get : $x^4 = \frac{1}{9}$ and $y^4 = \frac{1}{25}$ -----(i)

To find : $(6x^2 - 5y^2)(6x^2 + 5y^2)$

Using, $(a - b)(a + b) = a^2 - b^2$ and substituting values from equation (i),

$= 36x^4 - 25y^4$

$= (36 \times \frac{1}{9}) - (25 \times \frac{1}{25})$

$= 4 - 1 = 3$

\Rightarrow Ans - (B)

Question 4

If $a \otimes b = (a + b)(a \times b)$, then find the value of $6 \otimes 5$

A 110

B 220

C 330

D 440

Answer: C

Explanation:

Given : $a \otimes b = (a + b)(a \times b)$

To find : $6 \otimes 5$

$= (6 + 5)(6 \times 5)$

$= 11 \times 30 = 330$

\Rightarrow Ans - (C)

SSC CHSL Free Mock Test

Question 5

Angles of the triangle are in the ratio of 1:2:3. Choose the correct triangle for the given ratio.

A Equilateral

B Isosceles

C Right angle

D Obtuse angled

Answer: C

Explanation:

Let the angles of the triangle be θ , 2θ and 3θ

Sum of angles of the triangle = $\theta + 2\theta + 3\theta = 180^\circ$

$$\Rightarrow 6\theta = 180^\circ$$

$$\Rightarrow \theta = \frac{180^\circ}{6} = 30^\circ$$

\therefore Angles of the triangle = $30^\circ, 60^\circ$ and 90°

Thus, it is a right angled triangle.

\Rightarrow Ans - (C)

Question 6

If the diameter of the two circles is 6 units and 10 units and a centre distance of 8 units. Calculate the number of common tangents that can be drawn to both the circle.

A 2

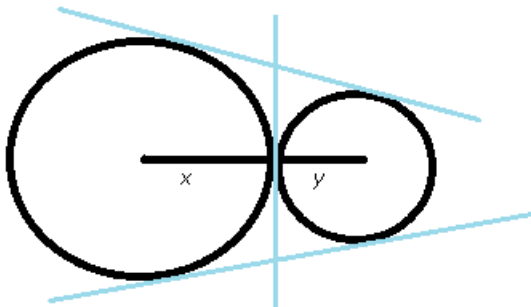
B 3

C 4

D Infinite

Answer: B

Explanation:



Diameter of both circles is 6 units and 10 units

\Rightarrow Radius of first circle = $x = 5$ units and of second circle = $y = 3$ units

Also, distance between their centres = 8 units

\Rightarrow Both circles touch each other externally and as we can see, a total of 3 common tangents can be drawn.

\Rightarrow Ans - (B)

Question 7

A mixture of 240 litres of juice and water contains 15% water. How much more water (in litres) should be added to this so that the strength of water will become 25% in the new mixture?

A 28

B 32

C 26

D 34

Answer: B

Explanation:

Total quantity of mixture = 240 litres

=> Quantity of water in it = $\frac{15}{100} \times 240 = 36$ litres

Let x litres of water is added. According to ques,

$$\Rightarrow 36 + x = \frac{25}{100}(240 + x)$$

$$\Rightarrow 4(36 + x) = 240 + x$$

$$\Rightarrow 144 + 4x = 240 + x$$

$$\Rightarrow 4x - x = 240 - 144$$

$$\Rightarrow 3x = 96$$

$$\Rightarrow x = \frac{96}{3} = 32$$

∴ **32 litres** of water should be added to this so that the strength of water will become 25% in the new mixture.

=> Ans - (B)

SSC CHSL Previous Papers (DOWNLOAD PDF)

Question 8

The sum of the present ages of a father and his son is 126 years. 8 years ago their respective ages were in the ratio of 7 : 4. After 7 years what will be the ratio of ages of father and son?

A 23 : 19

B 17 : 11

C 27 : 20

D 34 : 23

Answer: B

Explanation:

Sum of the present ages of a father and his son = 126 years

Sum of their ages 8 years ago = $126 - 8(2) = 110$ years

=> Father's age at that time = $\frac{7}{(7+4)} \times 110 = 70$ years

=> Son's age at that time = $110 - 70 = 40$ years

Thus, present age of father = $70 + 8 = 78$ years

=> Son's present age = $40 + 8 = 48$ years

∴ Ratio of ages of father and son after 7 years = $\frac{78+7}{48+7} = \frac{85}{55}$

= 17 : 11

=> Ans - (B)

Question 9

The ratio of spirit and water in the two vessels is 5 : 1 and 3 : 7 respectively. In what ratio the liquid of both the vessels should be mixed such that a new mixture containing half spirit and half water is obtained?

A 3 : 5

B 5 : 7

C 1 : 1

D 4 : 7

Answer: A

Explanation:

Spirit in 1 litre mixture of vessel 1 = $\frac{5}{6}$

Spirit in 1 litre mixture of vessel 2 = $\frac{3}{10}$

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

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

$$\Rightarrow \left(\frac{5}{6}x\right) + \left(\frac{3}{10}y\right) = \frac{1}{2}(x + y)$$

Multiply both sides by L.C.M. (6,10,2) = 30

$$\Rightarrow 25x + 9y = 15x + 15y$$

$$\Rightarrow 25x - 15x = 15y - 9y$$

$$\Rightarrow 10x = 6y$$

$$\Rightarrow \frac{x}{y} = \frac{6}{10} = \frac{3}{5}$$

∴ Liquid of both the vessels should be mixed in the ratio **3 : 5** such that a new mixture containing half spirit and half water is obtained.

⇒ Ans - (A)

Question 10

10 Consecutive numbers are given. If the average of the two numbers given in the middle is 13.5, then what is the sum of the first 6 numbers?

A 65

B 59

C 69

D 80

Answer: C

Explanation:

Average of two middle numbers = 13.5

⇒ The two middle numbers (at 5th and 6th positions) are 13 and 14.

Thus, the consecutive numbers are : 9,10,11,.....,18

$$\Rightarrow \text{Sum of first 6 numbers} = 9 + 10 + 11 + 12 + 13 + 14 = 69$$

⇒ Ans - (C)

SSC CGL Previous Papers (DOWNLOAD PDF)

Question 11

A sum of Rs 4000 becomes Rs 7000 in 6 years at simple interest. If the rate of interest becomes double of itself, then what will be the amount (in Rs) after 6 years?

A 8500

B 9000

C 8000

D 10000

Answer: D

Explanation:

Principal sum = Rs. 4000 and time period = 6 years

=> Amount after simple interest = Rs. 7000

Thus, simple interest = Rs. (7000-4000) = Rs. 3000

Let rate of interest = $r\%$

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

$$\Rightarrow \frac{4000 \times r \times 6}{100} = 3000$$

$$\Rightarrow 240r = 3000$$

$$\Rightarrow r = \frac{3000}{240} = 12.5\%$$

Now, if rate of interest becomes double of itself, => $r' = 12.5 \times 2 = 25\%$

∴ Amount after 6 years = $P + \frac{P \times R \times T}{100}$

$$= 4000 + \left(\frac{4000 \times 25 \times 6}{100} \right)$$

$$= 4000 + 6000 = \text{Rs. } 10,000$$

=> Ans - (D)

Question 12

If selling price of 39 articles is equal to the cost price of 42 articles, then what will be the profit percentage?

A 8.33

B 7.69

C 9.09

D 11.33

Answer: B

Explanation:

Let cost price of 1 article = Rs. x and selling price = Rs. y

According to ques, => $39y = 42x$

$$\Rightarrow \frac{y}{x} = \frac{42}{39}$$

Let $x = 39$ and $y = 42$

Thus, profit % = $\frac{(y-x)}{x} \times 100$

$$= \frac{(42-39)}{39} \times 100$$

$$= \frac{300}{39} = 7.69\%$$

=> Ans - (B)

Question 13

The marked price of a trouser is twice of the cost price. To earn 36% profit, what should be the value of discount (in percentage)?

A 33

B 32

C 34

D 36

Answer: B

Explanation:

Let cost price = Rs. $100x$

=> Marked price = $2 \times 100x = \text{Rs. } 200x$

Profit % = 36%

=> Selling price = $100x + \left(\frac{36}{100} \times 100x\right) = \text{Rs. } 136x$

∴ Discount % = $\frac{(200x-136x)}{200x} \times 100$

=> $\frac{64}{2} = 32\%$

=> Ans - (B)

SSC CGL Free Mock Test (Latest Pattern)

Question 14

What is the simplified value of $\frac{\sqrt{5}+\sqrt{4}}{\sqrt{5}-\sqrt{4}} + \frac{\sqrt{5}-\sqrt{4}}{\sqrt{5}+\sqrt{4}}$?

A 9

B 10

C 18

D 20

Answer: C

Explanation:

Expression : $\frac{\sqrt{5}+\sqrt{4}}{\sqrt{5}-\sqrt{4}} + \frac{\sqrt{5}-\sqrt{4}}{\sqrt{5}+\sqrt{4}}$

$$= \frac{(\sqrt{5}+\sqrt{4})^2 + (\sqrt{5}-\sqrt{4})^2}{(\sqrt{5}-\sqrt{4})(\sqrt{5}+\sqrt{4})}$$

$$= \frac{(5+4+2\sqrt{20}) + (5+4-2\sqrt{20})}{5-4}$$

$$= \frac{(9+9)}{1} = 18$$

=> Ans - (C)

Question 15

P can make a table in 16 days while Q can make it in 20 days. Q started the work and did that work for 5 days. In how many days P can complete the remaining work?

A 10

B 12

C 15

D 18

Answer: B

Explanation:

Let total number of work done = L.C.M. (16,20) = 80 units

P can make the table in 16 days, => P's efficiency = $\frac{80}{16} = 5$ units/day

Q's efficiency = $\frac{80}{20} = 4$ units/day

Now, Q worked alone for 5 days, => Work completed by Q = $5 \times 4 = 20$ units

Thus, work left = $80 - 20 = 60$ units

∴ Time taken by P to complete the remaining work = $\frac{60}{5} = 12$ days

=> Ans - (B)

Question 16

A boat covers a distance of 14 km upstream and 16 km downstream in 9 hours. It covers a distance of 12 km upstream and 40 km downstream in 11 hours. What is the speed (in km/hr) of the boat in still water?

A 5

B 2

C 3

D 4

Answer: A

Explanation:

Let speed of boat in still water = x km/hr and speed of current = y km/hr

According to ques,

$$\Rightarrow x+y + \frac{14}{x-y} = 9 \text{ -----(i)}$$

$$\text{and } x+y + \frac{12}{x-y} = 11 \text{ -----(ii)}$$

Applying the operation : $5 \times (i) - 2 \times (ii)$

$$\Rightarrow x-y - \frac{24}{x-y} = 45 - 22$$

$$\Rightarrow x-y = 23$$

$$\Rightarrow x - y = \frac{46}{3} = 2 \text{ -----(iii)}$$

Substituting it in equation (i), $\Rightarrow x+y + \frac{14}{2} = 9$

$$\Rightarrow x+y = 9 - 7 = 2$$

$$\Rightarrow x + y = \frac{16}{2} = 8 \text{ -----(iv)}$$

Now, adding equations (iii) and (iv), we get :

$$\Rightarrow 2x = 2 + 8 = 10$$

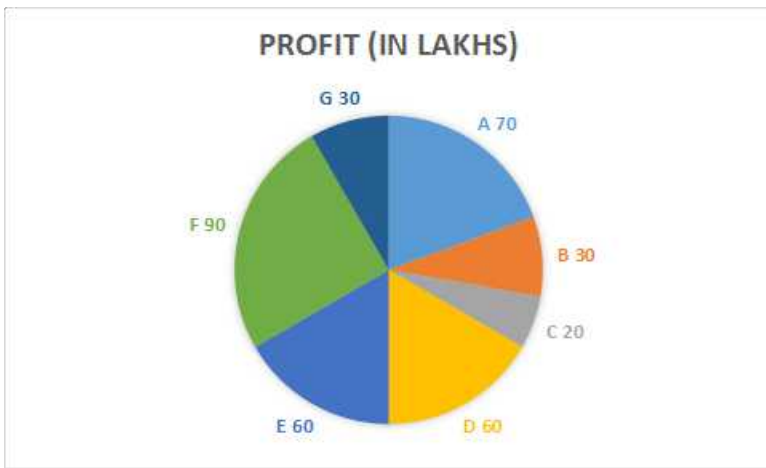
$$\Rightarrow x = \frac{10}{2} = 5$$

=> Ans - (A)

SSC CHSL Important Questions and Answers (Download PDF)

Instructions

The pie chart shows the share in profits of the year 2017 of seven partners in a business. Study the diagram and answer the following questions.



Question 17

Which partner got the second highest share in profits?

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

Answer: B

Explanation:

Partner A got the second highest share in profits = Rs. 70 lakhs

=> Ans - (B)

Question 18

What is the total Profit (in Rs lakhs) of the business of the year 2017?

- A 400
- B 300
- C 360
- D 350

Answer: C

Explanation:

Total Profit (in Rs lakhs) of the business of the year 2017

$$= 70 + 30 + 20 + 60 + 60 + 90 + 30$$

$$= 360$$

=> Ans - (C)

Question 19

The measure of the central angle of the sector representing share in profits of partner E is _____ degrees.

- A 30
- B 60
- C 45

D 90

Answer: B

Explanation:

Share in profits of partner E = 60

Total Profit (in Rs lakhs) of the business of the year 2017

$$= 70 + 30 + 20 + 60 + 60 + 90 + 30 = 360$$

$$\Rightarrow \text{Required central angle} = \frac{60}{360} \times 360^\circ = 60^\circ$$

\(\Rightarrow\) Ans - (B)

SSC CHSL Study Material

Question 20

If the business makes Rs 45 lakh profit which is distributed between the partners how much does C get (in Rs lakhs)?

A 3

B 2.5

C 4

D 2

Answer: B

Explanation:

Share in profits of partner C = 20

Total Profit (in Rs lakhs) of the business of the year 2017

$$= 70 + 30 + 20 + 60 + 60 + 90 + 30 = 360$$

$$\Rightarrow \text{Percentage of profit shared by C} = \frac{20}{360} \times 100 = \frac{50}{9}\%$$

Now, profit made = Rs. 45 lakhs

Thus, C will get $\frac{50}{9}\%$ of Rs. 45 lakhs

$$= \frac{50}{9 \times 100} \times 45$$

$$= \frac{5}{2} = 2.5$$

\(\Rightarrow\) Ans - (B)

Instructions

For the following questions answer them individually

Question 21

The length and breadth of a rectangle are 15 cm and 8 cm respectively. Calculate its perimeter (in cm).

A 46

B 92

C 35

D 70

Answer: A

Explanation:

Length of rectangle, $l = 15$ cm and breadth, $b = 8$ cm

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

$$= 2 \times (15 + 8)$$

$$= 2 \times 23 = 46 \text{ cm}$$

=> Ans - (A)

Question 22

If the area of a semi-circle is 693 cm^2 , then find its radius (in cm).

A 42

B 27

C 21

D 54

Answer: C

Explanation:

Let radius of the semi-circle = r cm

$$\Rightarrow \text{Area} = \frac{1}{2} \times \pi r^2 = 693$$

$$\Rightarrow \frac{1}{2} \times \frac{22}{7} \times r^2 = 693$$

$$\Rightarrow r^2 = 693 \times \frac{7}{11}$$

$$\Rightarrow r = \sqrt{63 \times 7} = 3 \times 7 = 21 \text{ cm}$$

=> Ans - (C)

SSC CHSL Free App

Question 23

Find the curved surface area (in cm^2) of a right circular cone of diameter 28 cm and slant height 12 cm.

A 792

B 728

C 528

D 493

Answer: C

Explanation:

Radius of cone, $r = 14$ cm and slant height, $l = 12$ cm

Curved surface area of cone = $\pi r l$

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

$$= 44 \times 12 = 528 \text{ cm}^2$$

=> Ans - (C)

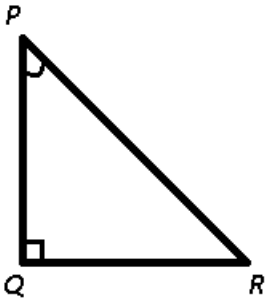
Question 24

ΔPQR is right angled at Q. If $m\angle R = 30^\circ$, then find the value of $(\cos P - \frac{1}{3})$.

- A $\frac{1}{6}$
- B $\frac{2\sqrt{2}-1}{\sqrt{2}}$
- C $\frac{-1}{\sqrt{3}}$
- D $\frac{(\sqrt{3}-4)}{2\sqrt{3}}$

Answer: A

Explanation:



Sum of angles of $\triangle PQR = \angle P + \angle Q + \angle R = 180^\circ$

$$\Rightarrow \angle P + 90^\circ + 30^\circ = 180^\circ$$

$$\Rightarrow \angle P = 180^\circ - 120^\circ = 60^\circ$$

To find : $(\cos P - \frac{1}{3})$

$$= \cos(60^\circ) - \frac{1}{3}$$

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

$$= \frac{1}{6}$$

\Rightarrow Ans - (A)

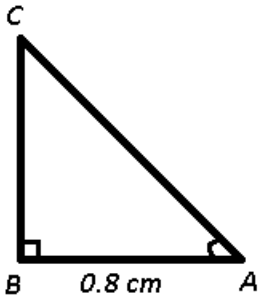
Question 25

In $\triangle ABC$ measure of angle B is 90° . If $\cot A = 8/15$, and $AB = 0.8\text{cm}$, then what is the length (in cm) of side BC?

- A 1.7
- B 2
- C 1.5
- D 2.5

Answer: C

Explanation:



Given : $AB = 0.8 \text{ cm}$ and $\cot A = 8/15$

To find : $BC = ?$

Solution : In right $\triangle ABC$,

$$\Rightarrow \cot(A) = \frac{AB}{BC}$$

$$\Rightarrow 15 = \frac{0.8}{BC}$$

$$\Rightarrow BC = \frac{15}{8} \times 0.8 = 1.5 \text{ cm}$$

\Rightarrow 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.

Circumference : Circle :: ? : ?

- A Cube : Volume
- B Square : Area
- C Sphere : Circle
- D Perimeter : Rectangle

Answer: D

Explanation:

Expression = Circumference : Circle :: ? : ?

The first is the length of boundary of second figure, and sum of sides of rectangle is its perimeter.

\Rightarrow Ans - (D)

Free SSC Study Material (18,000 Solved Questions)

Question 27

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

13 : 23 :: 37 : ?

- A 40
- B 46

C 47

D 43

Answer: C

Explanation:

Expression = $13 : 23 :: 37 : ?$

The numbers are of the form = $n : n + 10$

Eg :- $13 + 10 = 23$

Similarly, $37 + 10 = 47$

=> Ans - (C)

Question 28

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

ACE : KMO :: BDF : ?

A LNO

B MPO

C LNP

D NPQ

Answer: C

Explanation:

Expression = ACE : KMO :: BDF : ?

The pattern followed is :

A	C	E
(+10)	(+10)	(+10)
K	M	O

Similarly, BDF : LNP

B	D	F
(+10)	(+10)	(+10)
L	N	P

=> Ans - (C)

Question 29

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

A Vehicle - Car

B Scooter - Vehicle

C Truck - Vehicle

D Bus - Vehicle

Answer: A

Explanation:

The first is one of the types of second, Scooter, truck and bus are vehicles, hence **Vehicle - Car** is the odd one out, since its order is reversed.

=> 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 on the right side of (-) with some Logic/Rule/Relation. Three are similar on basis of same Logic/Rule/Relation. Select the odd one out from the given alternatives.

A 7 - 49

B 9 - 81

C 11 - 121

D 15 - 215

Answer: D

Explanation:

The second number is the square of the first number.

$$(7)^2 = 49$$

$$(9)^2 = 81$$

$$(11)^2 = 121$$

$$(15)^2 = 225 \neq 215$$

=> Ans - (D)

Question 31

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

A ABDG

B PQSV

C JKMQ

D NOQT

Answer: C

Explanation:

(A) : A (+1 letter) = B (+2 letters) = D (+3 letters) = G

(B) : P (+1 letter) = Q (+2 letters) = S (+3 letters) = V

(C) : J (+1 letter) = K (+2 letters) = M (+4 letters) = Q

(D) : N (+1 letter) = O (+2 letters) = Q (+3 letters) = T

=> Ans - (C)

Question 32

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

1. Peanut
2. Peaceful
3. Personal
4. Photograph
5. Picture

- A 43125
- B 21345
- C 13245
- D 32451

Answer: B

Explanation:

As per the order of dictionary :

= Peaceful -> Peanut -> Personal -> Photograph -> Picture

≡ 21345

=> Ans - (B)

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

Question 33

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

9, 11, 14, 16, 19, 21, ?

- A 24
- B 26
- C 25
- D 27

Answer: A

Explanation:

2 and 3 are alternatively added to each of the numbers.

$$9 + 2 = 11$$

$$11 + 3 = 14$$

$$14 + 2 = 16$$

$$16 + 3 = 19$$

$$19 + 2 = 21$$

$$21 + 3 = \mathbf{24}$$

=> Ans - (A)

Question 34

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

AL, EP, IT, MX, ?

- A RC
- B QB
- C QV
- D TV

Answer: B

Explanation:

Series : AL, EP, IT, MX, ?

The pattern followed in each letter of the terms is :

1st letter : A (+4 letters) = E (+4 letters) = I (+4 letters) = M (+4 letters) = Q

2nd letter : L (+4 letters) = P (+4 letters) = T (+4 letters) = X (+4 letters) = B

Thus, missing term = **QB**

=> Ans - (B)

Question 35

Six books are kept one above the other. Hindi is just above Sanskrit. The English is between Mathematics and Science. Law is between Hindi and Mathematics. Which book is at the fourth position from top?

A Mathematics

B Law

C Hindi

D English

Answer: B

Explanation:

Hindi is just above Sanskrit and Law is between Hindi and Mathematics.

=> Law is just above Hindi and Mathematics is just above Law.

Also, The English is between Mathematics and Science, => There are 2 more books above Mathematics, hence Sanskrit book is at the end.

Thus, final arrangement is :

Science
English
Mathematics
Law
Hindi
Sanskrit

∴ **Law** book is at the fourth position from top.

=> Ans - (B)

Latest Job Updates on Telegram - Join here

Question 36

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

Abettor

A Bettor

B Wrote

C Rot

D Abet

Answer: B

Explanation:

The word ABETTOR does not contain any 'W', thus the term **Wrote** cannot be formed.

=> Ans - (B)

Question 37

In a certain code language, "TRAVEL" is written as "WVFYIQ". How is "TABLET" written in that code language?

- A EWOGYN
- B NYOGYW
- C YGWPQM
- D WEGOYI

Answer: D

Explanation:

"TRAVEL" is written as "WVFYIQ"

The pattern followed is :

T	R	A	V	E	L
(+3)	(+4)	(+5)	(+3)	(+4)	(+5)
W	V	F	Y	I	Q

Similarly, for TABLET :

T	A	B	L	E	T
(+3)	(+4)	(+5)	(+3)	(+4)	(+5)
W	E	G	O	I	Y

=> Ans - (D)

Question 38

A series is given with one term missing. Select the correct alternative from the given ones that will complete the series. RIP, TLT, VOX, XRB, ?

- A ZTE
- B AUF
- C ZUF
- D ATE

Answer: C

Explanation:

Series : RIP, TLT, VOX, XRB, ?

The pattern followed in each letter of the terms is :

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

2nd letter : I (+3 letters) = L (+3 letters) = O (+3 letters) = R (+3 letters) = U

3rd letter : P (+4 letters) = T (+4 letters) = X (+4 letters) = B (+4 letters) = F

Thus, missing term = **ZUF**

=> Ans - (C)

Question 39

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

24, 26, 28, ?, 32, 34

- A 29
- B 30
- C 31
- D 36

Answer: B

Explanation:

2 is added to each of the numbers.

$$24 + 2 = 26$$

$$26 + 2 = 28$$

$$28 + 2 = \mathbf{30}$$

$$30 + 2 = 32$$

$$32 + 2 = 34$$

=> Ans - (B)

Question 40

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 (4, 8, 16)
- B (9, 18, 36)
- C (6, 12, 24)
- D (5, 10, 25)

Answer: D

Explanation:

The pattern followed is : $(a, 2a, 4a)$

$$\text{But, } 5 \times 4 = 20 \neq 25$$

Thus, (5, 10, 25) is the odd one out.

=> Ans - (D)

Question 41

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

$$13 - 14 + 15 \times 70 \div 14 = ?$$

- A 4
- B 2
- C 47
- D 6

Answer: B

Explanation:

Expression : $13 - 14 + 15 \times 70 \div 14 = ?$

$$\equiv 13 + 14 \times 15 \div 70 - 14$$

$$= 13 + \frac{15}{5} - 14$$

$$= 13 + 3 - 14 = 2$$

=> Ans - (B)

25 SSC CHSL Mocks for just Rs. 149

Question 42

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

$$8 \div 2 - 50 \times 6 + 16 = 50$$

A + and \times

B - and +

C + and \div

D \div and \times

Answer: A

Explanation:

Expression : $8 \div 2 - 50 \times 6 + 16 = 50$

(A) : + and \times

$$\equiv 8 \div 2 - 50 + 6 \times 16 = 50$$

$$\text{L.H.S.} = \left(\frac{8}{2}\right) - 50 + (6 \times 16)$$

$$= 4 - 50 + 96 = 50 = \text{R.H.S.}$$

=> Ans - (A)

Question 43

If $60\#40 = 10$, $40\#20 = 6$ and $60\#90 = 15$, then find the value of $40\#30 = ?$

A 15

B 12

C 18

D 7

Answer: D

Explanation:

Given : $60\#40 = 10$, $40\#20 = 6$ and $60\#90 = 15$

If we replace '#' with '+', and divide the sum by 10, we get the desired result.

$$\text{Eg :- } \frac{60+40}{10} = 10$$

$$\text{and } \frac{40+20}{10} = 6 \text{ and } \frac{60+90}{10} = 15$$

$$\text{Similarly, } \frac{40+30}{10} = 7$$

=> Ans - (D)

Question 44

Which of the following terms follows the trend of the given list?
ZYXYXYXY, XWXYXYXY, XYZYXYXY, XYXWXYXY, XYXYZYXY, _____.

- A XYXYXWXY
- B XYXYXYXY
- C ZYXYXYXY
- D XWXYXYXY

Answer: A

Explanation:

Expression : ZYXYXYXY, XWXYXYXY, XYZYXYXY, XYXWXYXY, XYXYZYXY, _____.

The above series is a combination of 4 'XY', but in each alternative term starting from the left, X is replaced by Z and in the even number of terms, Y is replaced by W shifting one place to the right.

Thus, in the missing term (6th term), 3rd Y is replaced by W = XYXYXWXY

=> Ans - (A)

SSC CHSL Free Mock Test

Question 45

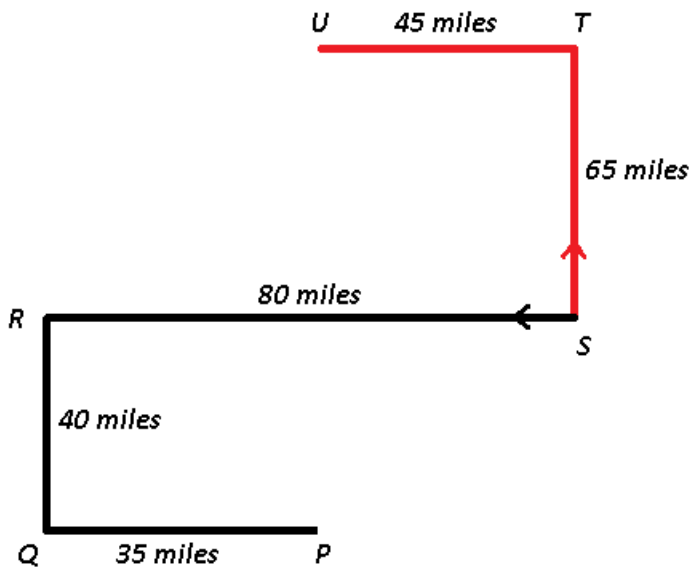
Two aeroplanes start from the same strip. Aeroplane P flies 65 miles North, then turns left flies 45 miles and lands. In the meanwhile aeroplane Q flies 80 miles West, then flies 40 miles South, then turns to its left, flies 35 miles and lands. Where is aeroplane Q with respect to aeroplane P?

- A 25 miles South
- B 105 miles North
- C 25 miles North
- D 105 miles South

Answer: D

Explanation:

Let the two aeroplanes start from the same strip S. Aeroplane P (red) flies 65 miles North to reach T, then turns left and flies 45 miles and lands at point U. In the meanwhile aeroplane Q (black) flies 80 miles West to R, then flies 40 miles South, and finally turns to its left, flies 35 miles towards east and lands at point P.



=> $PU = 40 + 65 = 105$ miles

∴ Aeroplane Q is **105 miles south** with respect to aeroplane P.

=> Ans - (D)

Question 46

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: All bins are baskets

Statement II: No buckets are bins

Conclusion I: All baskets are buckets

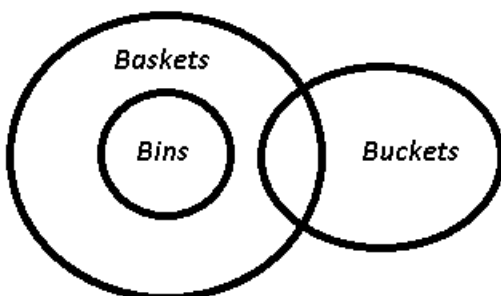
Conclusion II: All buckets are baskets

- 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 baskets are buckets = false

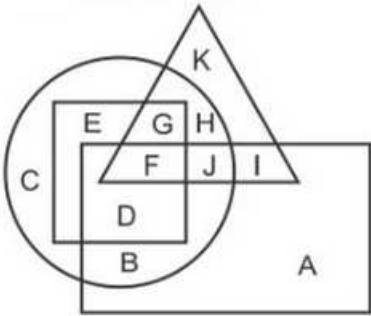
Conclusion II: All buckets are baskets = false

Thus, neither conclusion I nor conclusion II follows.

=> Ans - (D)

Question 47

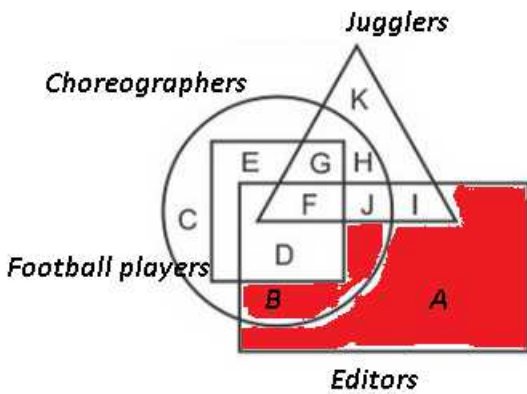
In the following figure, rectangle represents Editors, circle represents Choreographers, triangle represents Jugglers and square represents Football players. Which set of letters represents Editors who are neither Jugglers nor Football players?



- A DF
- B FJI
- C DB
- D AB

Answer: D

Explanation:



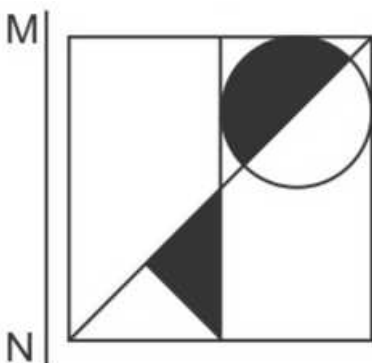
Editors who are neither Jugglers nor Football players are represented by = AB

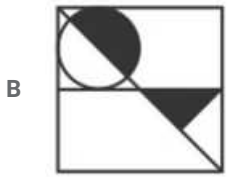
=> Ans - (D)

SSC CHSL Prevoius Papers (DOWNLOAD PDF)

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?
137286





Answer: D

Explanation:

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

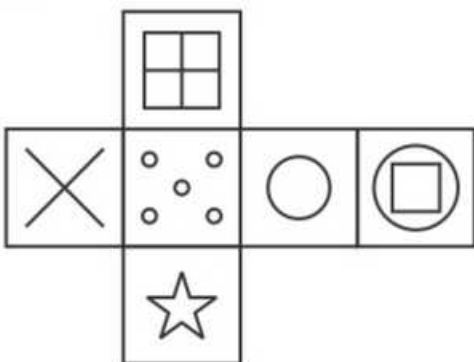
So the diagonal originating from top right will now appear from top left, thus the first option will be eliminated.

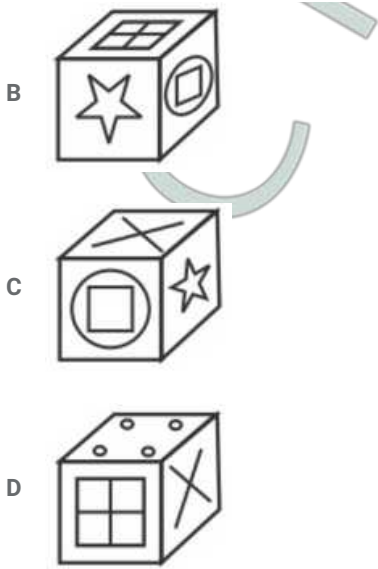
Also, in the question figure, the square at top right will appear at top left side and the black triangle will stay vertical, hence fourth option is the right image.

=> Ans - (D)

Question 49

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

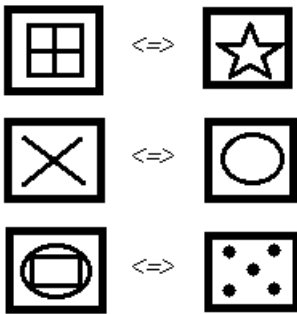




Answer: B

Explanation:

When we fold the given figure, the square with a '5 dots' sign will become the base of the cube and the square inside the circle 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 second option is not possible.

=> Ans - (B)

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 'M' can be represented by 31, 43 etc and W can be represented by 78, 97 etc. Similarly, you have to identify the set for the word 'BODY'.

Matrix - I

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

Matrix - II

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

A 41,77,14,89

B 11,67,34,67

C 13,75,42,67

D 32,65,30,87

Answer: D

Explanation:

- (A) : 41,77,14,89 = GSAP
(B) : 11,67,34,67 = HULU
(C) : 13,75,42,67 = FTKU
(D) : 32,65,30,87 = **BODY**
=> Ans - (D)

SSC CGL Previous Papers (DOWNLOAD PDF)

English

Instructions

For the following questions answer them individually

Question 51

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'.

The few crowd (a) was not surprising (b)/ considering the publicity involved. (c) No error (d)

- A a
B b
C c
D d

Answer: A

SSC CGL Free Mock Test (Latest Pattern)

Question 52

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'.

From the perspective of positive psychology, mental (a)/ health may include an individual's ability to create a balance (b)/ between life activities and efforts to achieve psychology resilience. (c)/ No error (d)

- A a
B b
C c
D d

Answer: C

Question 53

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.

He has not submitted his assignment _____.

- A now

- B yet
- C then
- D until then

Answer: B

Question 54

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.

God has created all human beings and _____ them with certain qualities.

- A disapproved
- B rejected
- C vested
- D uncovered

Answer: C

SSC CHSL Important Questions and Answers (Download PDF)

Question 55

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

- A Dismay
- B Happiness
- C Composure
- D Assurance

Answer: A

Question 56

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

- A Gravity
- B Funniness
- C Beloved
- D Baleful

Answer: B

Question 57

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

- A Sorrow
- B Delight
- C Elation
- D Rapture

Answer: A

SSC CHSL Study Material

Question 58

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

- A Similar
- B Parallel
- C Related
- D Disagreeing

Answer: D

Question 59

Rearrange the parts of the sentence in correct order.

Most of

P: had urban backgrounds

Q: Ministers of Japan

R: the erstwhile Prime

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

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.

They selected the red car.

- A The red car is select.
- B The red car is chosen by them.
- C The red car by them is selected.
- D The red car was selected by them.

Answer: D

SSC CHSL Free App

Question 61

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

He replied, "I cannot do so."

- A He said he could not do so.
- B He replied that he could not do so.
- C He replied that he cannot did so.
- D He replied that he could never do so.

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 Promunciation
- B Prononciation
- C Pronunciation
- D Pronuncieation

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.

In a dynamic society everything is provided for by law and only a few things are _____ to politicians. The universe is governed _____ law. The inverse square law _____ the earth in its orbit and the law of atomic fusion keeps the sun shining _____ the whole earth. Likewise, the law should govern a nation where the judge, the police and the civil servant dispense _____ to the citizen.

Question 63

a few things are _____ to politicians.

- A right
- B leave
- C with
- D left

Answer: D

Daily Free SSC Practice Set

Question 64

The universe is governed _____ law.

- A at
- B to
- C by
- D so

Answer: C

Question 65

square law _____ the earth in its

- A keep
- B keeping
- C keeps
- D kept

Answer: C

Question 66

the sun shining _____ the whole earth.

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

Answer: A

Free SSC Study Material (18,000 Solved Questions)

Question 67

servant dispense _____ to the citizen.

- A justify
- B justly
- C justice
- D justifies

Answer: C

Instructions

For the following questions answer them individually

Question 68

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

- A To suddenly feel very happy because something unpleasant has not happened or has ended.
- B Be exhausted after a gruelling physical task.
- C Get trapped in a tricky situation which you could have escaped easily.
- D Feel sad that the good times have ended.

Answer: A

Question 69

In the following question, out of the four alternatives, select the alternative which best expresses the meaning of the idiom/phrase.
A lot on your plate

- A A greedy person will collect more food than he can eat.
- B A hungry person will devour if presented with food.
- C To have a large number of problems to deal with.
- D To be an expert in multi-tasking.

Answer: C

1500+ Very Important Free SSC Solved Questions

Question 70

In the following question, out of the four alternatives, select the alternative which is the best substitute of the words/sentence.
A person who moves stealthily about or loiters near a place with a view to committing a crime

- A Scrupulous
- B Prowler
- C Veracious
- D Unfeigned

Answer: B

Question 71

In the following question, out of the four alternatives, select the alternative which is the best substitute of the words/sentence.
Carry out a task clumsily or incompetently

- A Bungle
- B Adept
- C Apt
- D Adroit

Answer: A

Question 72

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".

Many countries and States (is debating) a ban on plastic bags or taxing their use.

- A are debating
- B are debated
- C is debated
- D no improvement

Answer: A

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

Question 73

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".

My father (were standing) in the balcony, his face clenched in a storm of emotions.

- A was standing
- B was stand
- C was stood
- D no improvement

Answer: A

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.

So apart from having

A-colleagues would go out for tea at periodic intervals

B-the routine coffee served

C-from the cafeteria my

- 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 intellijent

- B intelligent
- C inteligent
- D intelijent

Answer: B

Latest Job Updates on Telegram - Join here

General Awareness

Instructions

For the following questions answer them individually

Question 76

Which of the following is necessary for a natural monopoly?

- A economies of scale
- B a high proportion of the total cost as the cost of capital goods
- C very small market
- D All options are correct.

Answer: D

Join SSC Daily Quiz Telegram Group

Question 77

In which area is the public sector most dominant in India?

- A Organised term lending financial instistutions
- B Transport
- C Commerical banking
- D Steel production

Answer: C

Question 78

The deepest lake of the world is _____.

- A Aral Sea
- B Caspian Sea
- C Baikal
- D Dead Sea

Answer: C

Question 79

Which of the following is correctly matched?

- A Lonar - Madhya Pradesh
- B Nakki - Gujarat
- C Kolleru - Andhra Pradesh
- D Pulicat - Kerala

Answer: C

25 SSC CHSL Mocks for just Rs. 149

Question 80

Where is the tomb of Sher Shah located?

- A Sasaram
- B Delhi
- C Kalingar
- D Sonargaon

Answer: A

Question 81

Which of the following governor generals used to call himself as Bengal Tiger?

- A Lord Clive
- B Warren Hastings
- C Lord Cornwallis
- D Lord Wellesley

Answer: D

Question 82

Syadvada was the fundamental basis of which religion?

- A Buddhism
- B Jainism
- C Vaishnavism
- D Shaivism

Answer: B

SSC CHSL Free Mock Test

Question 83

According to a latest report by UN Women and the UN Development Programme (UNDP), released in November 2017, which region has been ranked as the world's most violent region for women?

- A Latin America and the caribbean countries
- B Sudan
- C Gulf Countries
- D South East Asian Countries

Answer: A

Question 84

Syadvada was the fundamental basis of which religion?

- A Gandhian
- B Hinduism
- C Jainism
- D Buddhism

Answer: C

Question 85

What is the national animal of Bangladesh?

- A Royal Bengal Tiger
- B Python
- C Goat
- D Buffalo

Answer: A

SSC CHSL Prevoius Papers (DOWNLOAD PDF)

Question 86

In modern periodic table while going from top to bottom in a group _____.

- A size of an atom increases
- B size of an atom decreases
- C ionisation energy of an atom increases
- D size and ionisation energy of an atom increases

Answer: A

Question 87

Which of the following is NOT a compound?

- A Ammonia
- B Milk

C Sodiumchloride

D Chalk

Answer: B

Question 88

According to Article 75 of Indian Constitution, the ministers are collectively responsible to the Parliament in general and to whom in particular.

A People

B Lok Sabha

C Rajya Sabha

D President

Answer: B

SSC CGL Previous Papers (DOWNLOAD PDF)

Question 89

Which among the following comes under Concurrent List of Indian Constitution?

I. Marriage and Divorce

II. Electricity

III. Labour Welfare

A Only I

B Only II

C Both I and II

D All I, II and III

Answer: D

Question 90

Which are the special proteins in muscles that contract and relax to cause movement?

A Contractile protein

B Receptor protein

C Structural protein

D Enzymatic protein

Answer: A

Question 91

Plants having body that is differentiated into roots, stems and leaves and have specialized tissue for the conduction of water and other substances, fall in which group?

A Bryophyta

B Thallophyta

- C Pteridophyta
- D All option are correct.

Answer: C

SSC CGL Free Mock Test (Latest Pattern)

Question 92

In January 2018, 'Electoral Bonds' Scheme was launched. Under this scheme, the electoral bonds will be available at specified branches of _____.

- A Bank of Baroda
- B State Bank of India
- C Punjab National Bank
- D Bank of India

Answer: B

Question 93

By using which foam the Researchers from Indian Institute of Technology - Bombay have made a low cost piezo resistive vibration sensor?

- A Only Polyurethane
- B Only Polyethylene
- C Both Polyurethane and Polyethylene
- D Neither Poly urethane nor Polyethylene

Answer: A

Question 94

SEBI is evaluating whether ICO (Initial Coin Offerings) can be brought under its purview. ICO is related to _____.

- A Dollars
- B Pounds
- C Rupees
- D Cyptocurrency

Answer: D

SSC CHSL Important Questions and Answers (Download PDF)

Question 95

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

- A 139
- B 112

C 141

D 15

Answer: B

Question 96

A body is initially moving with a velocity of 10 m/s. It undergoes an acceleration of 2 m/s² for 5 seconds. Find the displacement (in m) of this body in these 5 seconds.

A 25

B 37.5

C 50

D 75

Answer: D

Question 97

1 watt is equal to 1 _____

A J s⁻¹

B J s

C J s⁻²

D J s²

Answer: A

SSC CHSL Study Material

Question 98

Air _____ are the substances which contaminate the air.

A Reactants

B Irritants

C Resistants

D Pollutants

Answer: D

Question 99

Which of the statements given below are correct?

A) Rafael Nadal won the Tennis 2017 French Open Men's Singles.

B) In 2017, Valentino Rossi raced in MotoGP for Ducati.

C) In 2017, Marc Márquez raced in MotoGP for Honda.

A Only A

B Only B

C Both A and C

D A, B and C

Answer: C

Question 100

In HTML, _____ is at the bottom of the page and usually contains disclaimers, copyright information etc.

A Header area

B Menu bar

C Body of the page

D Footer area

Answer: D

[SSC CHSL Free App](#)

[25 SSC CHSL Mocks for just Rs. 149](#)

[SSC CHSL Free Mock Test](#)

[SSC CHSL Previous Papers \(DOWNLOAD PDF\)](#)

[SSC CGL Previous Papers \(DOWNLOAD PDF\)](#)

[SSC CGL Free Mock Test \(Latest Pattern\)](#)

[SSC CHSL Important Questions and Answers \(Download PDF\)](#)

[SSC CHSL Study Material](#)

[SSC CHSL Free App](#)

[Daily Free SSC Practice Set](#)

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

[1500+ Very Important Free SSC Solved Questions](#)

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



Latest Job Updates on Telegram - Join here

Join SSC Daily Quiz Telegram Group