



SSC CHSL 17 Jan 2017 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

General Awareness

Instructions

For the following questions answer them individually

Question 1

How many layers are there in the OSI networking model?

- A 13
- B 11
- C 9
- D 7

Answer: D

25 SSC CHSL Mocks for just Rs. 149

Question 2

Christmas Card was invented by _____.

- A John Barber
- B Sir Henry Cole
- C Josephine Cochrane
- D Bartolomeo Cristofori

Answer: B

Question 3

What does Trypsin do?

- A Breaks down Carbohydrates
- B Synthesizes proteins
- C Breaks down fats
- D Breaks down proteins

Answer: D

Question 4

Name the source from which Aspirin is produced?

- A Willow bark
- B Oak Tree
- C Acacia
- D Eucalyptus

Answer: A

SSC CHSL Free Mock Test

Question 5

Cannis Familiaris is the scientific name of

- A Cat
- B Dog
- C Fox
- D Wolf

Answer: B

Question 6

Name the acid present in lemon.

- A Phosphoric acid
- B Carbonic acid
- C Citric acid
- D Malic acid

Answer: C

Question 7

The conversion of hard water into soft water by boiling or adding calcium hydroxide is called _____.

- A Baker's process
- B Temp's process
- C Clarke's process
- D Lake's process

Answer: C

SSC CHSL Previous Papers (DOWNLOAD PDF)

Question 8

Group of Monuments at Pattadakal is in

- A Maharashtra
- B Himachal Pradesh
- C Karnataka
- D Madhya Pradesh

Answer: C

Question 9

2016 Hemis festival was held in _____.

- A Manipur
- B Jammu and Kashmir
- C Uttarakhand
- D Himachal Pradesh

Answer: B

Question 10

Find arc elasticity of demand, if quantity demanded falls from 1000 to 950 when price of the item is increased from Rs. 240 to Rs. 280?

- A 0.33
- B 0.3
- C -0.3
- D -0.33

Answer: D

SSC CGL Previous Papers (DOWNLOAD PDF)

Question 11

A price floor is _____.

- A a maximum legal price
- B a minimum legal price
- C the price where demand equals supply
- D the price where elasticity of demand equals elasticity of supply

Answer: B

Question 12

Concentration of water vapour in troposphere is

- A 0-4%
- B 10-14%
- C 20-24%
- D 30-34%

Answer: A

Question 13

Harmful bacteria in potable water make the water

- A unfit to drink
- B smelly
- C colored
- D turbid

Answer: A

SSC CGL Free Mock Test (Latest Pattern)

Question 14

First country to impose carbon tax is _____.

- A Australia
- B Iceland
- C USA
- D New Zealand

Answer: D

Question 15

Elephanta Caves is located in which city?

- A Nashik
- B Kolhapur
- C Pune
- D Mumbai

Answer: D

Question 16

Spring tides occur when _____.

- A the moon, the sun and the earth are in the same line
- B the sun is closest to earth
- C the moon is farthest from earth
- D the earth is at right angles with the sun and the moon

Answer: A

SSC CHSL Important Questions and Answers (Download PDF)

Question 17

Humayun's Tomb was built by_____.

- A Humayun
- B Hamida Banu Begum
- C Babur
- D Akbar

Answer: B

Question 18

Who built Sabarmati Ashram?

- A Guru Ramdas
- B Shah Jahan
- C Rao Jodhaji
- D Mahatma Gandhi

Answer: D

Question 19

Which movie got the Best Film Award in 2016 IIFA Awards?

- A Bajirao Mastani
- B Piku
- C Tanu Weds Manu Returns
- D Bajrangi Bhaijaan

Answer: D

SSC CHSL Study Material

Question 20

Why does a fountain pen leak in aeroplane flying at a height?

- A Because of reduced viscosity of the ink in the pen
- B Because of increased viscosity of the ink in the pen
- C Because of higher atmospheric pressure outside the pen
- D Because of lower atmospheric pressure outside the pen

Answer: D

Question 21

Instrument for measuring wind velocity is called

- A Coulombmeter
- B Anemometer

- C Cyanometer
- D Chronometer

Answer: B

Question 22

In the presence of which of the following, does the President takes Oath?

- A Vice-President
- B Lok Sabha Speaker
- C Chief Justice of India
- D Attorney General

Answer: C

SSC CHSL Free App

Question 23

Who was the first indian Chief Election Commissioner?

- A Morarji Desai
- B Sukumar Sen
- C Sardar Patel
- D V.S Ramadevi

Answer: B

Question 24

Phil Mickelson plays which International Sport?

- A Golf
- B Baseball
- C Basketball
- D Boxing

Answer: A

Question 25

Who is the author of the book - "The White Tiger"?

- A Maneesh Tripathi
- B Aravind Adiga
- C Arvind Joshi
- D Vijay Lohkare

Answer: B

Daily Free SSC Practice Set

Mathematics

Instructions

For the following questions answer them individually

Question 26

If $5x - 3(4 - x) < 4x - 4 < 4x + 2x/3$; then the value of x is

- A -7
- B 3
- C 4
- D 1

Answer: D

Explanation:

Expression 1 : $5x - 3(4 - x) < 4x - 4$

$$\Rightarrow 5x - 12 + 3x < 4x - 4$$

$$\Rightarrow 8x - 4x < -4 + 12$$

$$\Rightarrow 4x < 8$$

$$\Rightarrow x < 2 \text{ -----(i)}$$

Expression 2 : $4x - 4 < 4x + 2x/3$

$$\Rightarrow \frac{2x}{3} > -4$$

$$\Rightarrow x > -6 \text{ -----(ii)}$$

Combining inequalities (i) and (ii), we get : $-6 < x < 2$

The only value that x can take among the options = 1

\Rightarrow Ans - (D)

Free SSC Study Material (18,000 Solved Questions)

Question 27

Reflection of the point $(-1,4)$ in the x-axis is

- A (1,4)
- B (1,-4)
- C (-1,4)
- D (-1,-4)

Answer: D

Explanation:

Reflection of point (x,y) in the x-axis is $(x,-y)$

\Rightarrow Reflection of point $(-1,4) = (-1,-4)$

=> Ans - (D)

Question 28

To travel 660 km, an Express train takes 10 hours more than Rajdhani. If however, the speed of the Express train is doubled, it takes 7 hours less than Rajdhani. The speed of Rajdhani is

- A 38.8 km/hr
- B 16.2 km/hr
- C 50.1 km/hr
- D 27.5 km/hr

Answer: D

Explanation:

Let speed of Rajdhani train = x km/hr and Express train = y km/hr

Using, time = distance/speed

$$\text{Acc. to ques, } \Rightarrow \frac{660}{y} - \frac{660}{x} = 10$$

$$\Rightarrow \frac{1}{y} - \frac{1}{x} = \frac{10}{660} = \frac{1}{66} \text{-----(i)}$$

If speed of express train is doubled = $2y$ km/hr

$$\Rightarrow \frac{660}{x} - \frac{660}{2y} = 7$$

$$\Rightarrow \frac{1}{x} - \frac{1}{2y} = \frac{7}{660} \text{-----(ii)}$$

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

$$\Rightarrow \frac{1}{y} - \frac{1}{2y} = \frac{1}{66} + \frac{7}{660}$$

$$\Rightarrow \frac{1}{2y} = \frac{17}{660}$$

$$\Rightarrow y = \frac{330}{17} \text{ km/hr}$$

$$\therefore \text{Speed of Rajdhani} = \frac{1}{x} = \frac{17}{330} - \frac{1}{66}$$

$$\Rightarrow \frac{1}{x} = \frac{17-5}{330} = \frac{12}{330} = \frac{2}{55}$$

$$\Rightarrow x = 27.5 \text{ km/hr}$$

=> Ans - (D)

Question 29

Simplify $(b^5x^2a^3z^4) * (b^3x^2a^4z^5)/(a^2b^3z^2)$

- A $b^5x^4a^5z^5$
- B $b^5x^4a^5z^7$
- C $b^5x^4a^4z^7$
- D $b^4x^4a^5z^7$

Answer: B

Explanation:

$$\text{Expression : } (b^5x^2a^3z^4) * (b^3x^2a^4z^5)/(a^2b^3z^2)$$

$$= (a)^{3+4}(b)^{5+3}(x)^{2+2}(z)^{4+5} \div a^2b^3z^2$$

$$= a^7 b^8 x^4 z^9 \div a^2 b^3 z^2$$

$$= (a)^{7-2} (b)^{8-3} (x)^4 (z)^{9-2}$$

$$= a^5 b^5 x^4 z^7$$

=> Ans - (B)

1500+ Very Important Free SSC Solved Questions

Question 30

For triangle ABC, find equation of median AD if co-ordinates of points A, B and C are (2,-4), (3,0) and (5,-2) respectively?

- A $3x - 2y = 14$
- B $3x - 2y = 2$
- C $3x + 2y = 14$
- D $3x + 2y = 2$

Answer: A

Explanation:

Co-ordinates of triangle ABC are A(2,-4), B(3,0) and C(5,-2)

Median AD will bisect BC at D and D will be the mid point of BC.

Thus, coordinates of D are = $\left(\frac{3+5}{2}, \frac{0-2}{2}\right)$

$$= \left(\frac{8}{2}, \frac{-2}{2}\right) = (4, -1)$$

Now, equation of line passing through (x_1, y_1) and (x_2, y_2) is : $(y - y_1) = \frac{y_2 - y_1}{x_2 - x_1} (x - x_1)$

=> Equation of AD where A(2,-4) and D(4,-1) is :

$$\Rightarrow (y + 4) = \frac{(-1+4)}{(4-2)} (x - 2)$$

$$\Rightarrow (y + 4) = \frac{3}{2} (x - 2)$$

$$\Rightarrow 2y + 8 = 3x - 6$$

$$\Rightarrow 3x - 2y = 14$$

=> Ans - (A)

Question 31

If a retailer offers a discount of 28% on the marked price of his goods and thus ends up selling at cost price, what was the % mark up?

- A 18.25 percent
- B 22 percent
- C 38.88 percent
- D 28 percent

Answer: C

Explanation:

Let marked price = Rs.100

Discount % = 28%

$$\Rightarrow \text{Selling price} = 100 - \left(\frac{28}{100} \times 100\right)$$

$$= 100 - 28 = \text{Rs.}72$$

According to ques, \Rightarrow Cost price = Selling price = Rs. 72

$$\therefore \text{Markup \%} = \frac{100-72}{72} \times 100$$

$$= \frac{14 \times 25}{9} = 38.88\%$$

\Rightarrow Ans - (C)

Question 32

What is the value of $\tan 300^\circ$?

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

B $-\frac{1}{\sqrt{2}}$

C $-\sqrt{3}$

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

Answer: C

Explanation:

Expression : $\tan 300^\circ$

$$= \tan(360 - 60) = -\tan(60)$$

$$= -\sqrt{3}$$

\Rightarrow Ans - (C)

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

Question 33

When a number is increased by 38, it becomes 119% of itself. What is the number?

A 200

B 456

C 570

D 342

Answer: A

Explanation:

Let the number be $100x$

$$\text{According to ques, } \Rightarrow 100x + 38 = \frac{119}{100} \times 100x$$

$$\Rightarrow 100x + 38 = 119x$$

$$\Rightarrow 119x - 100x = 38$$

$$\Rightarrow x = \frac{38}{19} = 2$$

$$\therefore \text{Number} = 100 \times 2 = 200$$

\Rightarrow Ans - (A)

Question 34

The difference between simple and compound interests compounded annually on a certain sum of money for 2 years at 8% per annum is Rs 40. What is the sum?

- A Rs 12500
- B Rs 6250
- C Rs 25000
- D Rs 18750

Answer: B

Explanation:

Let the given sum = Rs. $100x$

Rate of interest = 8% and time period = 2 years

$$\text{Compound interest} = P\left[\left(1 + \frac{R}{100}\right)^T - 1\right]$$

$$= 100x\left[\left(1 + \frac{8}{100}\right)^2 - 1\right]$$

$$= 100x\left[\left(\frac{108}{100}\right)^2 - 1\right] = 100x\left(\frac{11664 - 10000}{10000}\right)$$

$$= \frac{1664x}{100}$$

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

$$= \frac{100x \times 8 \times 2}{100} = 16x$$

$$\Rightarrow \text{Difference between simple and compound interests} = \frac{1664x}{100} - 16x = 40$$

$$\Rightarrow \frac{1664x - 1600x}{100} = 40$$

$$\Rightarrow 64x = 40 \times 100$$

$$\Rightarrow x = \frac{4000}{64} = \frac{500}{8} = 62.5$$

\therefore Value of given sum = $100 \times 62.5 = \text{Rs. } 6250$

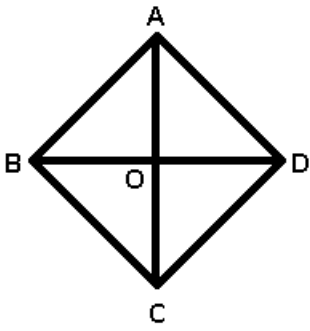
Question 35

In a Rhombus ABCD, measure of angle CAB is 35° , what is the measure of angle ABC?

- A 70°
- B 40°
- C 50°
- D 110°

Answer: D

Explanation:



Given : $\angle CAB = 35^\circ$

To find : $\angle ABC$

Solution : Diagonals of a rhombus bisect the angles of the rhombus

$$\Rightarrow \angle BAD = 2 \times \angle CAB$$

$$\Rightarrow \angle BAD = 70^\circ$$

Sum of adjacent angles in a rhombus = 180°

$$\Rightarrow \angle BAD + \angle ABC = 180^\circ$$

$$\Rightarrow \angle ABC = 180^\circ - 70^\circ = 110^\circ$$

\Rightarrow Ans - (D)

Latest Job Updates on Telegram - Join here

Question 36

If $\sqrt{\frac{\cot A}{1+\cot^2 A}} = x$, then the value of x is

- A $\sin A$
- B $\operatorname{cosec} A$
- C $\sec A$
- D $\cos A$

Answer: D

Explanation:

$$\text{Expression : } \sqrt{\frac{\cot A}{1+\cot^2 A}} = x$$

$$\therefore (\operatorname{cosec}^2 A - \cot^2 A = 1)$$

$$= \frac{\cot A}{\sqrt{\operatorname{cosec}^2 A}} = \frac{\cot A}{\operatorname{cosec} A}$$

$$= \frac{\cos A}{\sin A} \div \frac{1}{\sin A}$$

$$= \frac{\cos A}{\sin A} \times \sin A = \cos A$$

\Rightarrow Ans - (D)

Question 37

When a discount of 20% is given on a lunch buffet, the profit is 42%. If the discount is 15%, then the profit is:

- A 57 percent
- B 50.875 percent

C 63.125 percent

D 44.75 percent

Answer: B

Explanation:

Let marked price of lunch buffet = Rs. 100

When discount of 20% is given, \Rightarrow Selling price of ticket = $\frac{(100-20)}{100} \times 100 = Rs.80$

Let cost price = Rs. x

$$\Rightarrow \text{Profit \%} = \frac{80-x}{x} \times 100 = 42$$

$$\Rightarrow \frac{80-x}{x} = \frac{42}{100} = \frac{21}{50}$$

$$\Rightarrow 4000 - 50x = 21x$$

$$\Rightarrow 21x + 50x = 71x = 4000$$

$$\Rightarrow x = \frac{4000}{71} = Rs. 56.33$$

If discount is 15%, \Rightarrow Selling price = $\frac{(100-15)}{100} \times 100 = Rs.85$

$$\Rightarrow \text{Profit \%} = \frac{85-56.33}{56.33} \times 100$$

$$= \frac{2867}{56.33} \approx 50.875\%$$

\Rightarrow Ans - (B)

Question 38

What is the value of $\sqrt{\frac{(1-\cos A)}{(1+\cos A)}}$?

A cosecA - cotA

B cosecA + cotA

C secA - cotA

D secA + cotA

Answer: A

Explanation:

Expression : $\sqrt{\frac{(1-\cos A)}{(1+\cos A)}}$

Multiplying both numerator and denominator by $\sqrt{(1-\cos A)}$

$$= \sqrt{\frac{1-\cos A}{1+\cos A}} \times \sqrt{\frac{(1-\cos A)}{(1-\cos A)}}$$

$$= \sqrt{\frac{(1-\cos A)^2}{1-\cos^2 A}} = \sqrt{\frac{(1-\cos A)^2}{\sin^2 A}}$$

$$= \frac{1-\cos A}{\sin A} = \frac{1}{\sin A} - \frac{\cos A}{\sin A}$$

$$= \text{cosec}A - \text{cot}A$$

\Rightarrow Ans - (A)

Join SSC Daily Quiz Telegram Group

Question 39

On dividing a number by 38, we get 70 as quotient and 12 as remainder. What is the number?

- A 2648
- B 2636
- C 2684
- D 2672

Answer: D

Explanation:

Let the number be x

Dividend = Divisor \times Quotient + Remainder

$$\Rightarrow x = (38 \times 70) + 12$$

$$= 2660 + 12 = 2672$$

\Rightarrow Ans - (D)

Question 40

By increasing the price of entry ticket to a fair in the ratio 17:19, the number of visitors to the fair has decreased in the ratio 11:10. In what ratio has the total collection increased or decreased?

- A decreased in the ratio 190:187
- B increased in the ratio 187:190
- C increased in the ratio 170:209
- D decreased in the ratio 209:170

Answer: B

Explanation:

Let cost of original ticket = Rs 17 and number of visitors = 110

$$\Rightarrow \text{Original revenue} = 17 \times 110 = \text{Rs } 1870$$

After increase in cost of ticket

New cost of ticket = Rs 19 and number of visitors = 100

$$\Rightarrow \text{New Revenue} = 19 \times 100 = \text{Rs } 1900$$

Since, new revenue is greater than original revenue, thus total collection has increased.

$$\therefore \text{Increase of total collection ratio} = \frac{1870}{1900} = 187 : 190$$

\Rightarrow Ans - (B)

Question 41

In a cyclic quadrilateral

- A Opposite sides are parallel
- B Diagonals are bisectors of each other
- C Opposite angles are supplementary
- D Adjacent angles are supplementary

Answer: C

Explanation:

In a cyclic quadrilateral ABCD, the sum of $\angle A + \angle C = \angle B + \angle D = 180$.

Thus, opposite angles are supplementary.

=> Ans - (C)

25 SSC CHSL Mocks for just Rs. 149

Question 42

If $a + b = -8$ and $a^2 + b^2 = 34$, then value of ab is

A 30

B 64

C 98

D 15

Answer: D

Explanation:

Given : $(a + b) = -8$ and $a^2 + b^2 = 34$

Using $(a + b)^2 = a^2 + b^2 + 2ab$

$$\Rightarrow (-8)^2 = 34 + (2 \times ab)$$

$$\Rightarrow 2ab = 64 - 34 = 30$$

$$\Rightarrow ab = \frac{30}{2} = 15$$

=> Ans - (D)

Question 43

The average of 19 consecutive even integers is 50. The highest of these integers is

A 88

B 68

C 126

D 100

Answer: B

Explanation:

The 19 consecutive even integers will form an arithmetic progression with common difference, $d = 2$

Let the first term be a

Average of 19 integers = 50, => Sum = $19 \times 50 = 950$

$$\Rightarrow \text{Sum of these integers} = \frac{n}{2} [2a + (n - 1)d] = 950$$

$$\Rightarrow \frac{19}{2} [2a + (18 \times 2)] = 950$$

$$\Rightarrow 19(a + 18) = 950$$

$$\Rightarrow (a + 18) = \frac{950}{19} = 50$$

$$\Rightarrow a = 50 - 18 = 32$$

\therefore The highest integer or the 19th term, $A_{19} = a + (19 - 1)d$

$$= 32 + (18 \times 2) = 32 + 36 = 68$$

\Rightarrow Ans - (B)

Question 44

The first and last terms of an arithmetic progression are 25 and -52. What is the sum of the series if it has 12 terms?

A -162

B -110

C 162

D 110

Answer: A

Explanation:

In an arithmetic progression with first term, $a = 25$, last term, $l = -52$

Number of terms = $n = 12$

\therefore Sum of A.P. = $\frac{n}{2}(a + l)$

$$= \frac{12}{2}(25 - 52)$$

$$= 6 \times (-27) = -162$$

\Rightarrow Ans - (A)

SSC CHSL Free Mock Test

Question 45

A wooden bowl is in shape of a hollow hemisphere of internal radius 9 cm and thickness 1 cm. Find the total surface area of the bowl?

A 1376.58 sq cms

B 2064.87 sq cms

C 344.15 sq cms

D 1197.42 sq cms

Answer: D

Explanation:

The hemispherical bowl has three surfaces to calculate: the interior hemisphere ($r_{int} = 9$) cm, the exterior hemisphere ($r_{ext} = 9 + 1 = 10$) cm and the annular (ring shaped) top edge (r_{ext}, r_{int})

Area of hemisphere = $2\pi r^2$ and area of annular = $\pi(r_{ext}^2 - r_{int}^2)$

Total surface area of hemisphere is the sum of these 3 areas

$$= [2\pi(9)^2] + [2\pi(10)^2] + [\pi(10^2 - 9^2)]$$

$$= \pi[(2 \times 81) + (2 \times 100) + (100 - 81)]$$

$$= \pi(162 + 200 + 19) = 381\pi$$

$$= 381 \times \frac{22}{7} = 1197.42 \text{ cm}^2$$

=> Ans - (D)

Question 46

Pankaj has done 1/2 of a job in 12 days, Sainath completes the rest of the job in 6 days. In how many days can they together do the job?

- A 4 days
- B 12 days
- C 8 days
- D 16 days

Answer: C

Explanation:

Let total work to be done = 24 units

Pankaj has done 1/2 of a job i.e. $\frac{24}{2} = 12$ units in 12 days

=> Pankaj's efficiency = $\frac{12}{12} = 1$ unit/day

Work left = 24 - 12 = 12 units which is done by Sainath in 6 days

=> Sainath's efficiency = $\frac{12}{6} = 2$ units/day

Pankaj and Sainath 1 day's work = 1 + 2 = 3 units/day

∴ Time taken by them together to complete the work = $\frac{24}{3} = 8$ days

=> Ans - (C)

Question 47

Refer the below data table and answer the following Question.

	Boys	Girls
Medical	25	40
Engineering	65	25

What percent students who chose Engineering are girls?

- A 16.13
- B 38.46
- C 43.26
- D 27.78

Answer: D

Explanation:

Number of girls who chose engineering = 25

Total number of engineers = 65 + 25 = 90

=> Percent of the girls who choose engineering = $\frac{25}{90} \times 100$

= $\frac{250}{9} = 27.78\%$

=> Ans - (D)

Question 48

Refer the below data table and answer the following Question.

	Cumulative Production
January	360
February	920
March	1520
April	1970
May	2620
June	3000

How many cars were manufactured in the months of April and May?

- A 1050
- B 1030
- C 1100
- D 4590

Answer: C

Explanation:

Number of cars produced in :

January = 360

February = $920 - 360 = 560$

March = $1520 - 920 = 600$

April = $1970 - 1520 = 450$

May = $2620 - 1970 = 650$

June = $3000 - 2620 = 380$

=> Number of cars that were manufactured in the month of the April and may = $450 + 650 = 1100$

=> Ans - (C)

Question 49

Refer the below data table and answer the following Question.

Day of the Week	Distance Jogged (in Kms)
Monday	3
Tuesday	3
Wednesday	2
Thursday	2
Friday	3.5
Saturday	2
Sunday	3.5

If 400 calories are burned by jogging 5km, how many calories were burnt in the given week?

- A 1570 calories
- B 1470 calories
- C 1420 calories
- D 1520 calories

Answer: D

Explanation:

Total distance jogged in entire week

$$= 3 + 3 + 2 + 2 + 3.5 + 2 + 3.5 = 19 \text{ km}$$

Calories burned after jogging 5 km = 400 calories

$$\Rightarrow \text{Calories burned after jogging 19 km} = \frac{400}{5} \times 19$$

$$= 80 \times 19 = 1520 \text{ calories}$$

\Rightarrow Ans - (D)

Question 50

Refer the below data table and answer the following Question.

Items	Yearly Expense in Rs lakhs
Raw Materials	4
Labour	3
Rent	4
Interest	6
Taxes	1

Raw Materials and Interest are what percent of total expenses?

A 48.31 percent

B 41.06 percent

C 62.81 percent

D 55.56 percent

Answer: D

Explanation:

Yearly expense in Raw material and interest (in lakhs) = 4 + 6 = 10

Total expenses (in lakhs) = 4 + 3 + 4 + 6 + 1 = 18

$$\Rightarrow \text{Required \%} = \frac{10}{18} \times 100$$

$$= \frac{500}{9} \approx 55.56\%$$

\Rightarrow Ans - (D)

SSC CGL Previous Papers (DOWNLOAD PDF)

Reasoning

Instructions

For the following questions answer them individually

Question 51

Select the related word/letters/number from the given alternatives.

Antique : Old :: Weak : ?

A Strong

B Fragile

C Convincing

D Powerful

Answer: B

Explanation:

Antique and old are synonyms, similarly synonym of weak is fragile meaning easily broken.

=> Ans - (B)

SSC CGL Free Mock Test (Latest Pattern)

Question 52

Select the related word/letters/number from the given alternatives.

XY : AB :: LM : ?

A OP

B PO

C RS

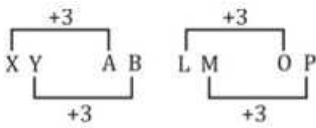
D TU

Answer: A

Explanation:

Expression = XY : AB :: LM : ?

The pattern followed is :



Thus, LM : OP

=> Ans - (A)

Question 53

Select the related word/letters/number from the given alternatives.

CE : GK :: MQ : ?

A PQ

B QW

C SV

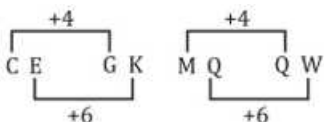
D TP

Answer: B

Explanation:

Expression = CE : GK :: MQ : ?

The pattern followed is :



Thus, MQ : QW

=> Ans - (B)

Question 54

Select the related word/letters/number from the given alternatives.

36 : 12 :: 72 : ?

- A 20
- B 24
- C 17
- D 16

Answer: B

Explanation:

Expression = 36 : 12 :: 72 : ?

The pattern followed is = $x : \frac{x}{3}$

Eg :- $36 : \frac{36}{3} = 36 : 12$

Similarly, $\frac{72}{3} = 24$

=> Ans - (B)

SSC CHSL Important Questions and Answers (Download PDF)

Question 55

Select the odd word/letters/number/number pair from the given alternatives.

- A Apple
- B Banana
- C Tomato
- D Cauliflower

Answer: D

Explanation:

Except Cauliflower other three are fruits, hence it is the odd one out.

=> Ans - (D)

Question 56

Select the odd word/letters/number/number pair from the given alternatives.

- A LMO
- B PQS
- C XYB
- D DEG

Answer: C

Explanation:

(A) : L (+1 letter) = M (+2 letters) = O

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

(C) : X (+1 letter) = Y (+3 letters) = B

(D) : D (+1 letter) = E (+2 letters) = G

=> Ans - (C)

Question 57

Select the odd word/letters/number/number pair from the given alternatives.

A 256

B 289

C 343

D 144

Answer: C

Explanation:

$$256 = (16)^2$$

$$289 = (17)^2$$

$$343 = (7)^3$$

$$144 = (12)^2$$

=> Ans - (C)

SSC CHSL Study Material

Question 58

Select the odd word/letters/number/number pair from the given alternatives.

A 373

B 265

C 490

D 672

Answer: D

Explanation:

The sum of digits of the first three numbers is 13, but in the fourth number, $6 + 7 + 2 = 15$, hence 672 is the odd one out.

=> Ans - (D)

Question 59

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

Hydrogen, Helium, Lithium, ?

A Beryllium

B Boron

C Carbon

D Nitrogen

Answer: A

Explanation:

The series is given according to the periodic table of elements.

= Hydrogen -> Helium -> Lithium -> Beryllium

=> Ans - (A)

Question 60

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

FIL, LOR, RUX, ?

A XBE

B XAD

C YAD

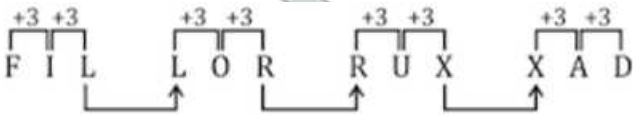
D XYD

Answer: B

Explanation:

Expression : FIL, LOR, RUX, ?

The pattern followed is :



Thus, missing term = XAD

=> Ans - (B)

SSC CHSL Free App

Question 61

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

FU, HS, JQ, ?

A LO

B MN

C LM

D LN

Answer: A

Explanation:

Expression : FU, HS, JQ, ?

The pattern followed for each letter in the terms is :

1st letter : F (+2 letters) = H (+2 letters) = J (+2 letters) = L

2nd letter : U (-2 letters) = S (-2 letters) = Q (-2 letters) = O

Thus, missing term = LO

=> Ans - (A)

Question 62

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

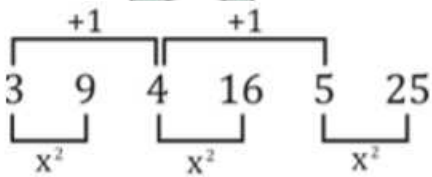
3, 9, 4, 16, 5, ?

- A 6
- B 25
- C 20
- D 18

Answer: B

Explanation:

The pattern followed is :



Thus, missing number = 25

=> Ans - (B)

Question 63

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

Statements:

- (I) Some men are educated.
- (II) Educated persons prefer small families.

Conclusion:

- (I) All families are educated.
- (II) Some men prefer small families.

- A Conclusion I follows
- B Conclusion II follows
- C Neither I nor II follows
- D Both I and II follows

Answer: B

Explanation:

From the given statements there is information between educated people and small families but there is no information regarding all families. So all families may or may not be educated. Hence, conclusion I do not follow the given statements.

Some men are educated and educated prefer small families. So some men prefer small families. Hence conclusion II follows the given statements.

∴ Only Conclusion II follows the given statements.

Hence, the correct answer is Option B

Question 64

A is taller than B, who is shorter than C, but taller than D. Who is the shortest?

- A B
- B C
- C D
- D A

Answer: C

Explanation:

A is taller than B, who is shorter than C, but taller than D.

From above statements, we get : **A, C > B > D**

∴ D is the shortest.

=> Ans - (C)

Question 65

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

- i. Recognize
- ii. Receptive
- iii. Record
- iv. Recur

- A ii, i, iii, iv
- B iv, iii, ii, i
- C ii, i, iv, iii
- D i, ii, iii, iv

Answer: A

Explanation:

As per the order of dictionary :

= Receptive -> Recognize -> Record -> Recur

≡ ii, i, iii, iv

=> Ans - (A)

Question 66

In a certain language "BROTHER" is written as "CSPUIFS". How is "SISTER" written in that code language?

- A TJTFUS
- B TJTUFS
- C SFUTJT
- D TJTSFU

Answer: B

Explanation:

"BROTHER" is written as "CSPUIFS"

The pattern followed is :

B R O T H E R
+1 ↓ +1 ↓ +1 ↓ +1 ↓ +1 ↓ +1 ↓
C S P U I F S

Similarly, for SISTER :

S I S T E R
+1 ↓ +1 ↓ +1 ↓ +1 ↓ +1 ↓ +1 ↓
T J T U F S

=> Ans - (B)

Free SSC Study Material (18,000 Solved Questions)

Question 67

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

15	28	7
23	?	17
20	16	14

A 17

B 8

C 26

D 10

Answer: D

Explanation:

The sum of each row is same.

$$\text{Eg :- } 15 + 28 + 7 = 50$$

$$\text{and } 20 + 16 + 14 = 50$$

$$\text{Similarly, } 23 + 17 + x = 50$$

$$\Rightarrow x = 50 - 40 = 10$$

=> Ans - (D)

Question 68

If "S" denotes "multiplied by", "V" denotes "subtracted from", "M" denotes "added to" and "L" denotes "divided by", then $11 \text{ V } 9 \text{ M } 88 \text{ L } 11 \text{ S } 9 = ?$

A 66

B -70

C 74

D 72

Answer: C

Explanation:

Expression : $11 \vee 9 \text{ M } 88 \text{ L } 11 \text{ S } 9 = ?$

$$\equiv 11 - 9 + 88 \div 11 \times 9$$

$$= 2 + (8 \times 9)$$

$$= 2 + 72 = 74$$

=> Ans - (C)

Question 69

In the following question, which one set of letters when sequentially placed at the gaps in the given letter series shall complete it?

b_d_ed_b_c_e

A cedbc

B cecbd

C ceabc

D cecdb

Answer: B

Explanation:

The pattern followed is that in groups of 4, the term 'bcde' is alternatively repeated with its reverse.

= bcde edcb bcde

=> Ans - (B)

1500+ Very Important Free SSC Solved Questions

Question 70

A is to the south-east of B. In which direction is B with respect to A?

A South-west

B North-west

C North-east

D South-east

Answer: B

Explanation:

A is to the south-east of B

(North-West)

B

A

(South-East)

Thus, B is to the North-west of A.

=> Ans - (B)

Question 71

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. 'D' can be represented by 24, 13, etc. and 'R' can be represented by 68, 69, etc. Similarly, you have to identify the set for the word 'CLASS'.

	0	1	2	3	4
0	E	A	D	I	I
1	C	E	A	D	I
2	H	C	E	A	D
3	I	H	C	E	A
4	I	I	H	C	E

	5	6	7	8	9
5	B	L	B	B	S
6	S	Y	L	R	R
7	J	S	Y	L	Q
8	J	Q	S	Y	L
9	K	K	K	S	Y

- A 32, 67, 12, 87, 98
- B 43, 78, 23, 98, 95
- C 21, 34, 23, 98, 87
- D 32, 67, 12, 65, 42

Answer: A

Explanation:

- (A) : 32, 67, 12, 87, 98 = CLASS
- (B) : 43, 78, 23, 98, 95 = CLASK
- (C) : 21, 34, 23, 98, 87 = CAASS
- (D) : 32, 67, 12, 65, 42 = CLASH

=> Ans - (A)

Question 72

The only brother of Ankit is the brother-in-law of Shweta. How Shweta is related to Ankit?

- A Wife
- B Sister
- C Mother
- D Aunt

Answer: A

Explanation:

The only brother of Ankit is the brother-in-law of Shweta.

=> Ankit and Shweta are married, and Ankit's only brother is the brother-in-law of Shweta.

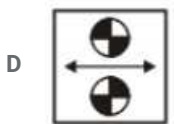
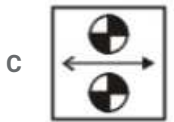
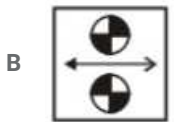
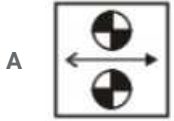
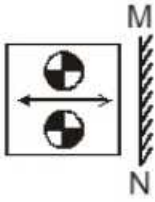
Thus, Shweta is the wife of Ankit.

=> Ans - (A)

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

Question 73

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



Answer: A

Explanation:

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

So the dark arrow in the middle pointing leftwards will be reversed and will point towards right, thus the second and last options will be eliminated.

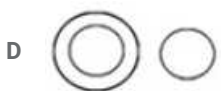
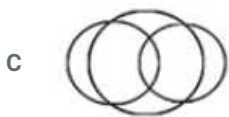
Also, in the question figure, the shaded portion in the circle will change its position, hence first option is the right image.

=> Ans - (A)

Question 74

Identify the diagram that best represents the relationship among the given classes.

Plants, Humans, Respiration



Answer: B

Explanation:

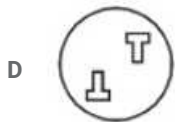
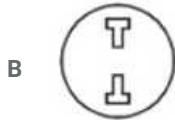
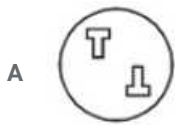
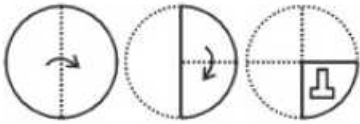
Plants and humans are different but both uses respiration, hence the venn diagram that best describes above relation is :



=> Ans - (B)

Question 75

A piece of paper is folded and punched as shown below in the question figures. From the given answer figures, indicate how it will appear when opened.



Answer: C

Explanation:

When the paper is unfolded, the pattern of cutting will be similar in four parts of the figure.

When the paper is unfolded first to the top, T shape will appear on the top.

When the paper is unfolded again to the left, similar pattern will appear on the left like the pattern on the right.

∴ When the paper is opened it will appear as shown below



Hence, the correct answer is Option C

Latest Job Updates on Telegram - Join here

English

Instructions

For the following questions answer them individually

Question 76

Improve the bracketed part of the sentence.

(As soon as I saw) the ferocious dog than I ran away.

- A No sooner than I saw
- B No sooner has I seen
- C No sooner did I see
- D no improvement

Answer: C

Join SSC Daily Quiz Telegram Group

Question 77

Rearrange the parts of the sentence in correct order.

It is a good sign

P-that the ratio remains the same despite

Q-the revenue base coming down because

R-of increased devolution to States

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

Answer: D

Question 78

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'.

We have to accept(A)/that driving vehicles(B)require expertise.(C)/No error(D)

- A A
- B B
- C C
- D D

Answer: C

Question 79

Select the antonym of to brood

- A to repine
- B to ignore
- C to fret

D to mope

Answer: B

25 SSC CHSL Mocks for just Rs. 149

Question 80

In the following question, a sentence has been given in Active/Passive voice. Out of four alternatives suggested, select the one, which best expresses the same sentence in Passive/Active voice.

The cricket ball struck me on the head.

- A Struck me on the head the cricket ball .
- B I was struck on the head by the cricket ball.
- C I had been struck on the head by the cricket ball.
- D I am striked on the head by the cricket ball.

Answer: B

Question 81

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

Through thick and thin

- A To be together under all circumstances, no matter how difficult
- B None of the days are alike. Some are good and some are bad
- C To pass through various types of obstacles
- D An obese person suddenly losing weight

Answer: A

Question 82

Rearrange the parts of the sentence in correct order.

India is extremely short

P-of water, and there will be even less

Q-is taken out

R-of it as groundwater

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

Answer: C

SSC CHSL Free Mock Test

Question 83

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

Thumb one's nose

- A an ill-mannered person
- B to show affection
- C to scold a naughty person
- D to express scorn

Answer: D

Question 84

In the following question, a sentence has been given in Direct/Indirect speech. Out of the four alternatives suggested, select the one, which best express the same sentence in Indirect/Direct speech.

'Have you come from Japan?' said the shopkeeper to the tourist.

- A The shopkeeper asked the tourist whether she had come from Japan.
- B The shopkeeper asked the tourist that if she had come from Japan.
- C The shopkeeper asked the tourist that whether she had come from Japan.
- D The shopkeeper asked the tourist if she came from Japan.

Answer: D

Question 85

Select the synonym of crown

- A frown
- B apex
- C nadir
- D base

Answer: B

SSC CHSL Previous Papers (DOWNLOAD PDF)

Question 86

In the following question, sentence given with blank is to be filled in with an appropriate word. Select the correct alternative out of the four and indicate it by selecting the appropriate option.

The unruly behaviour of the parliamentarians _____ the speaker.

- A incensed
- B estranged
- C enflamed
- D disparaged

Answer: A

Question 87

Improve the bracketed part of the sentence.

The hapless kid (cut a sorry figure) in his first performance on the stage.

- A made a sorry figure
- B made a sad figure
- C cut a sorry face
- D no improvement

Answer: D

Question 88

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.

To better the public transport system, the municipality _____ the scheme of securing dedicated lanes for buses.

- A marketed
- B launched
- C floated
- D enhanced

Answer: B

SSC CGL Previous Papers (DOWNLOAD PDF)

Question 89

Select the word with the correct spelling.

- A blottched
- B essences
- C syllabus
- D semmantic

Answer: B

Question 90

Select the synonym of preacher

- A atheist
- B agnostic
- C evangelist
- D pagan

Answer: C

Question 91

In the following question, out of the four alternatives, select the alternative which is the best substitute of the phrase.
the customary code of polite behaviour in society or among members of a particular profession or group

- A etiquette
- B frizette
- C epaulette
- D fossette

Answer: A

SSC CGL Free Mock Test (Latest Pattern)

Question 92

Select the word with the correct spelling.

- A depictedt
- B brisbaane
- C fiddling
- D ponderred

Answer: C

Question 93

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'.

Although he studied(A)/very hard, he(B)/could not pass the exam.(C)/No error(D)

- A A
- B B
- C C
- D D

Answer: D

Question 94

Select the antonym of veracity

- A deceit
- B condor
- C probity
- D rectitude

Answer: A

SSC CHSL Important Questions and Answers (Download PDF)

Question 95

In the following question, out of the four alternatives, select the alternative which is the best substitute of the phrase.
the way in which a substance holds together; thickness or viscosity

- A corpulency
- B consistency
- C exigency
- D exultancy

Answer: B

Instructions

correct answer for the given blank out of the four alternatives.

The main failings were of conception and a political willingness to settle ____ (1) ____ easy options. ____ (2) ____ the expansive declarations of the need "to maintain effective security of all nuclear materials, ____ (3) ____ includes nuclear materials used in nuclear weapons", the summits narrowed their ____ (4) ____ to civilian holdings ____ (5) ____ non-nuclear weapon states.

Question 96

(1)

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

Answer: D

Question 97

(2)

- A In spite
- B Since
- C Despite
- D Despite of

Answer: C

SSC CHSL Study Material

Question 98

(3)

- A which
- B that
- C those
- D who

Answer: A

Question 99

(4)

- A view
- B focus
- C attention
- D vision

Answer: B

Question 100

(5)

- A into
- B for
- C in
- D about

Answer: C

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