



2016 SSC CGL 30 Aug 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

Silver gets corroded due to _____ in air.

- A Oxygen
- B Hydrogen Sulphide
- C Carbon dioxide
- D Nitrogen

Answer: B

SSC CGL Free Mock Test

Question 2

Which of the following is a radioactive element?

- A Cobalt
- B Uranium
- C Argon
- D Chromium

Answer: B

Question 3

Right to Constitutional Remedies comes under _____

- A Legal rights
- B Fundamental rights
- C Human rights
- D Natural rights

Answer: B

Question 4

Which of the digestive organs contains acid?

- A Stomach
- B Small intestine
- C Appendix
- D Colon

Answer: A

SSC CGL Previous Papers (DOWNLOAD PDF)

Question 5

Which country is separated from India by a narrow channel of sea formed by the Palk Strait and the Gulf of Mannar.

- A Bangladesh
- B Myanmar
- C Sri Lanka
- D Pakistan

Answer: C

Question 6

Which of the following fibres is considered as the strongest natural fibre?

- A Cotton
- B Jute
- C Wool
- D Silk

Answer: D

Question 7

Purpose of an optical filter is to : _____

- A reflect lights of different colours
- B dispense light into component colours
- C refract light of different colours
- D transmit or absorb light of different colours

Answer: D

SSC CGL Tier-2 Previous Papers PDF

Question 8

Which of the following is not a weighted code?

- A Excess 3 - Code
- B Binary Number System
- C Decimal Number System
- D BCD Number System

Answer: A

Question 9

'Residex' is associated with :

- A Share prices
- B Price inflation
- C Mutual fund prices
- D Land prices

Answer: D

Question 10

Ozone saves the biosphere by absorbing high energy radiations called _____.

- A Infra-red (IR)
- B Gamma rays
- C Ultraviolet rays (UV)
- D X-rays

Answer: C

200 SSC Mocks for just Rs. 249 - Enroll now

Question 11

Birju Maharaj is a well known exponent of

- A Manipuri dance
- B Kathak
- C Odissi
- D Kathakali

Answer: B

Question 12

In the absence of the earth's atmosphere, sky would appear

- A blue
- B deep red
- C white
- D black

Answer: D

Question 13

The First Woman President of the Indian National Congress was

- A Sarojini Naidu
- B Vijayalakshmi Pandit
- C Annie Besant
- D Kadambani Ganguli

Answer: C

SSC CGL Important Questions PDF

Question 14

Which of the following programmes meet the credit needs of poor women?

- A Mahila Samridhi Yojna
- B Rashtriya Mahila Kosh
- C Indira Mahila Yojna
- D Mahila Samakhya Programme

Answer: B

Question 15

The Comptroller and Auditor-General of India submits his report relating to the accounts of the Union to the _____ .

- A Finance Minister
- B Prime Minister
- C President
- D Chief Justice of the Supreme Court

Answer: C

Question 16

The first Buddhist Council was held at _____ .

- A Kashmir
- B Rajagriha
- C Pataliputra
- D Vaisali

Answer: B

1500 + Free Must Solved SSC Questions (With Solutions)

Question 17

Where do the Western and Eastern Ghats meet?

- A Nilgiri hills
- B Cardamom hills
- C Palani hills
- D Annamalai hills

Answer: A

Question 18

Who was the founder of the Satvahana Empire?

- A Kanha
- B Simuka
- C Hala
- D Gautamiputra

Answer: B

Question 19

Indian National Congress split for the first time in its session at

- A Allahabad
- B Calcutta
- C Surat
- D Lahore

Answer: C

General Science Notes for SSC CGL

Question 20

Silica gel is a

- A moisturizer
- B flavouring agent
- C drying agent
- D delicious food

Answer: C

Question 21

Which Superfast train has AC Coach having Braille Signals?

- A Purushottam Express
- B Shramjeevi Express

C Himgiri Express

D Purva Express

Answer: A

Question 22

Biofertilizers convert nitrogen to _____ .

A nitrates

B ammonia

C nitrogenase

D amino acids

Answer: B

Free SSC Study Material (18,000 Solved Questions)

Question 23

Shiva Thapa is associated with which sport?

A Boxing

B Golf

C Shooting

D Badminton

Answer: A

Question 24

The natural habitat of Rhinoceros in India is

A Bharatpur

B Gir forest

C Khaziranga

D Nilgiris

Answer: C

Question 25

Which country recently voted to leave the European Union (EU)?

A Greece

B Spain

C United Kingdom

D Germany

Answer: C

SSC Exam Free Videos (Youtube)

Mathematics

Instructions

For the following questions answer them individually

Question 26

36 men together can build a wall 140 m long in 21 days ; the number of men working at the same rate required to build the same wall in 14 days is

- A 54
- B 48
- C 36
- D 18

Answer: A

Explanation:

$$M_1 = 36, D_1 = 21$$

$$M_2 = x, D_2 = 14$$

Using, $M_1 D_1 = M_2 D_2$

$$\Rightarrow 36 \times 21 = x \times 14$$

$$\Rightarrow x = 36 \times \frac{21}{14}$$

$$\Rightarrow x = 18 \times 3 = 54$$

\Rightarrow Ans - (A)

SSC Free Preparation App

Question 27

The perimeters of a square and a rectangle are equal . If their area be 'A' m² and 'B' m² then correct statement is

- A $A < B$
- B $A \leq B$
- C $A > B$
- D $A \geq B$

Answer: C

Explanation:

Let side of square = s and length and breadth of rectangle be l and b respectively.

According to ques, Perimeter of square = Perimeter of rectangle

$$\Rightarrow 4s = 2(l + b)$$

$$\Rightarrow 2s = l + b$$

Thus, l, s, b are in A.P. and $s^2 > lb$

For example : 4, 6, 8 where $6^2 > 4 \times 8$

Thus, $A > B$

=> Ans - (C)

Question 28

A man bought a watch for 10% discount. If he had bought for 20% discount he would have got the watch for ₹ 125 less. The marked price of the watch is

A Rs. 2500

B Rs. 1250

C Rs. 3750

D Rs. 1000

Answer: B

Explanation:

Let the marked price = Rs. $100x$

If discount % = 10%

=> Selling price = $100x \times \frac{90}{100} = Rs. 90x$

Similarly, when discount % = 20%

=> Selling price = $Rs. 80x$

According to ques,

=> $90x - 80x = 125$

=> $10x = 125$

Multiplying by 10, => $100x = 1250$

∴ The marked price of the watch = Rs. 1250

=> Ans - (B)

Question 29

The compound ratio of the inverse ratios of the ratios $x : yz, y : zx, z : xy$ is :

A $1 : xyz$

B $xyz : 1$

C $1 : 1$

D $x : yz$

Answer: B

Explanation:

Compound ratio is the ratio of product of first terms in every ratio to that of product of second term in every ratio.

Thus, inverse ratios of the ratios of $x : yz, y : zx, z : xy$

$$= \frac{yz}{x}, \frac{zx}{y}, \frac{xy}{z}$$

$$\text{Product of ratios} = \frac{x^2 y^2 z^2}{xyz}$$

$$= \frac{xyz}{1}$$

Thus, compound ratio = xyz : 1

=> Ans - (B)

Daily Free SSC Practice Set

Question 30

By selling a tape - recorder for ₹ 1040 a man gains 4% . If he sells if for ₹ 950 , his loss will be

- A 5%
- B 4%
- C 4.5%
- D 9%

Answer: A

Explanation:

Let cost price = Rs. $100x$

Selling price = Rs. 1040

$$\Rightarrow \text{Profit \%} = \frac{1040 - 100x}{100x} \times 100 = 4$$

$$\Rightarrow 1040 - 100x = 4x$$

$$\Rightarrow 4x + 100x = 104x = 1040$$

$$\Rightarrow x = \frac{1040}{104} = 10$$

Thus, cost price = $100 \times 10 = \text{Rs. } 1000$

If selling price = Rs. 950

$$\Rightarrow \text{Loss \%} = \frac{1000 - 950}{1000} \times 100$$

$$= \frac{50}{1000} \times 100 = 5\%$$

=> Ans - (A)

Question 31

What will be the percentage of increase in the area of a square when each of the its sides is increased by 10% ?

- A 20
- B 11
- C 121
- D 21

Answer: D

Explanation:

Let side of square = 10 cm

$$\text{Area of square} = (10)^2 = 100 \text{ cm}^2$$

$$\text{If side is increase by 10\%, } \Rightarrow \text{New side} = 10 \times \frac{110}{100} = 11 \text{ cm}$$

$$\Rightarrow \text{New area of square} = (11)^2 = 121 \text{ cm}^2$$

$$\therefore \text{Increase in area} = \frac{121 - 100}{100} \times 100$$

= 21%

=> Ans - (D)

Question 32

Every Sunday, Gin jogs 3 miles. For the rest of the week, each day he jogs 1 mile more than the previous day. How many miles Gin jogs in 2 weeks?

A 42

B 63

C 84

D 98

Answer: C

Explanation:

Distance jogged by Gin in a week starting from Sunday (miles) = 3, 4, 5, ...

This is an AP, with first term (a) = 3, common difference (d) = 1

Sum of AP = $\frac{n}{2}[2a + (n - 1)d]$

Thus, total distance jogged in a week = $\frac{7}{2}[(2 \times 3) + (7 - 1)1]$

= $\frac{7}{2}(6 + 6) = 42$ miles

∴ Distance jogged in 2 weeks = $2 \times 42 = 84$ miles

=> Ans - (C)

SSC CGL Free Online Coaching

Question 33

If $p^3 - q^3 = (p - q)[(p + q)^2 - xpq]$ then the value of x is

A 1

B -1

C 2

D -2

Answer: A

Explanation:

Expression : $p^3 - q^3 = (p - q)[(p + q)^2 - xpq]$

=> $(p - q)(p^2 + q^2 + pq) = (p - q)[(p + q)^2 - xpq]$

=> $p^2 + q^2 + pq = p^2 + q^2 + 2pq - xpq$

=> $xpq = 2pq - pq$

=> $xpq = pq$

=> $x = 1$

=> Ans - (A)

Question 34

Simplify the value of $1 - \frac{1}{1+\sqrt{2}} + \frac{1}{1-\sqrt{2}}$ is

- A $2\sqrt{2} - 1$
- B $1 - 2\sqrt{2}$
- C $1 - \sqrt{2}$
- D $-2\sqrt{2}$

Answer: B

Explanation:

$$\text{Expression : } 1 - \frac{1}{1+\sqrt{2}} + \frac{1}{1-\sqrt{2}}$$

$$= \frac{(1+\sqrt{2})(1-\sqrt{2}) - (1-\sqrt{2}) + (1+\sqrt{2})}{(1+\sqrt{2})(1-\sqrt{2})}$$

$$= \frac{(1-2) + (2\sqrt{2})}{1-2} = \frac{2\sqrt{2}-1}{-1}$$

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

=> Ans - (B)

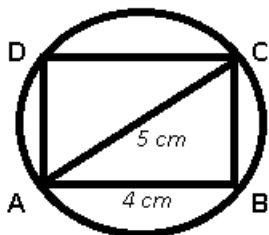
Question 35

A rectangle with one side of length 4 cm is inscribed in a circle of diameter 5 cm . Find area of the rectangle

- A 21cm^2
- B 12cm^2
- C 4cm^2
- D 3cm^2

Answer: B

Explanation:



Given : $AB = 4\text{ cm}$ and $AC = 5\text{ cm}$

To find : Area of rectangle ABCD = ?

Solution : In $\triangle ABC$,

$$\Rightarrow (BC)^2 = (AC)^2 - (AB)^2$$

$$\Rightarrow (BC)^2 = (5)^2 - (4)^2$$

$$\Rightarrow (BC)^2 = 25 - 16 = 9$$

$$\Rightarrow BC = \sqrt{9} = 3\text{ cm}$$

$$\therefore \text{Area of rectangle ABCD} = AB \times BC$$

$$= 4 \times 3 = 12\text{ cm}^2$$

=> Ans - (B)

SSC CHSL Previous Question papers (download pdf)

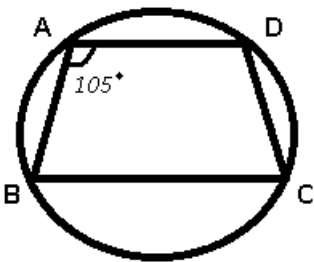
Question 36

ABCD is a cyclic trapezium with $AD \parallel BC$. If $\angle A = 105^\circ$, then other three angles are

- A $\angle B=75^\circ, \angle C=75^\circ, \angle D=105^\circ$
- B $\angle B=105^\circ, \angle C=75^\circ, \angle D=75^\circ$
- C $\angle B=75^\circ, \angle C=105^\circ, \angle D=75^\circ$
- D $\angle B=105^\circ, \angle C=105^\circ, \angle D=75^\circ$

Answer: A

Explanation:



ABCD is a cyclic trapezium and $AD \parallel BC$

Sum of angles on the same side of transversal = 180°

$$\Rightarrow \angle A + \angle B = 180^\circ$$

$$\Rightarrow \angle B = 180^\circ - 105^\circ = 75^\circ$$

Also, sum of opposite angles of a cyclic quadrilateral = 180°

$$\Rightarrow \angle A + \angle C = 180^\circ$$

$$\Rightarrow \angle C = 180^\circ - 105^\circ = 75^\circ$$

Similarly, $\angle B + \angle D = 180^\circ$

$$\Rightarrow \angle D = 180^\circ - 75^\circ = 105^\circ$$

\Rightarrow Ans - (A)

Question 37

If $\sec 15\theta = \operatorname{cosec} 15\theta$ ($0^\circ < \theta < 10^\circ$) then value of θ is

- A 9°
- B 5°
- C 8°
- D 3°

Answer: D

Explanation:

$$\text{Given : } \sec(15\theta) = \operatorname{cosec}(15\theta)$$

$$\Rightarrow \frac{1}{\cos(15\theta)} = \frac{1}{\sin(15\theta)}$$

$$\Rightarrow \frac{\sin(15\theta)}{\cos(15\theta)} = 1$$

$$\Rightarrow \tan(15\theta) = 1$$

$$\Rightarrow 15\theta = \tan^{-1}(1)$$

$$\Rightarrow 15\theta = 45^\circ$$

$$\Rightarrow \theta = \frac{45}{15} = 3^\circ$$

\Rightarrow Ans - (D)

Question 38

If $x = (0.25)^{\frac{1}{2}}$, $y = (0.4)^2$, $z = (0.126)^{\frac{1}{3}}$ then

A $Y > X > Z$

B $x > y > z$

C $Z > X > Y$

D $X > Z > Y$

Answer: C

Explanation:

Given : $x = (0.25)^{\frac{1}{2}}$

$$\Rightarrow x = 0.5 \text{ -----(i)}$$

$$y = (0.4)^2$$

$$\Rightarrow y = 0.16 \text{ -----(ii)}$$

$$z = (0.126)^{\frac{1}{3}}$$

$$\therefore (0.125)^{\frac{1}{3}} = 0.5$$

$$\Rightarrow z > 0.5 \text{ -----(iii)}$$

\therefore Combining equations (i),(ii) and (iii), we get : $z > x > y$

\Rightarrow Ans - (C)

Free SSC Study Material (18,000 Solved Questions)

Question 39

Average runs scored by 11 players of a cricket team is 23 runs . If the first player scored 113 runs . Find the average runs of the remaining players

A 8 runs

B 12 runs

C 14 runs

D 27 runs

Answer: C

Explanation:

Average runs scored by 11 players = 23 runs

$$\Rightarrow \text{Total runs scored} = 23 \times 11 = 253$$

Runs scored by first player = 113 runs

=> Runs scored by the remaining players = $253 - 113 = 140$

∴ Average runs of the remaining players = $\frac{140}{10} = 14$

=> Ans - (C)

Question 40

If $a^2 = by + cz$, $b^2 = cz + ax$, $c^2 = ax + by$, then the value of $\frac{x}{a+x} + \frac{y}{b+y} + \frac{z}{c+z}$ is

A 1

B $a + b + c$

C $\frac{1}{b} + \frac{1}{b} + \frac{1}{c}$

D 0

Answer: A

Explanation:

Given : $a^2 = by + cz$

Adding ' ax ' on both sides, we get :

$$\Rightarrow a^2 + ax = ax + by + cz$$

$$\Rightarrow a(a + x) = ax + by + cz$$

$$\Rightarrow \frac{1}{a+x} = \frac{a}{ax+by+cz}$$

$$\Rightarrow \frac{x}{a+x} = \frac{ax}{ax+by+cz} \text{ -----(i)}$$

Similarly, $\frac{y}{b+y} = \frac{by}{ax+by+cz}$ -----(ii)

and $\frac{z}{c+z} = \frac{cz}{ax+by+cz}$ -----(iii)

Adding equations (i),(ii) and (iii)

$$\Rightarrow \frac{x}{a+x} + \frac{y}{b+y} + \frac{z}{c+z} = \frac{ax}{ax+by+cz} + \frac{by}{ax+by+cz} + \frac{cz}{ax+by+cz}$$

$$= \frac{ax+by+cz}{ax+by+cz} = 1$$

=> Ans - (A)

Question 41

If $x^2 + y^2 = 29$ and $xy=10$, where $x>0, y>0, x>y$ then the value of $\frac{x+y}{x-y}$ is

A $-\frac{7}{3}$

B $\frac{7}{3}$

C $\frac{3}{7}$

D $-\frac{3}{7}$

Answer: B

Explanation:

Given : $x^2 + y^2 = 29$ -----(i)

Also, $xy = 10$

$$\Rightarrow 2xy = 20 \text{ -----(ii)}$$

Adding equations (i) and (ii),

$$\Rightarrow x^2 + y^2 + 2xy = 29 + 20$$

$$\Rightarrow (x + y)^2 = 49$$

$$\Rightarrow x + y = \sqrt{49} = 7 \text{ -----(iii)}$$

Similarly, subtracting equation (ii) from (i), we get :

$$\Rightarrow (x - y)^2 = 29 - 20 = 9$$

$$\Rightarrow x - y = 3 \text{ -----(iv)}$$

Using equations (iii) and (iv), $\Rightarrow \begin{matrix} x+y & 7 \\ x-y & 3 \end{matrix}$

\Rightarrow Ans - (B)

Latest Job Updates on Telegram - Join here

Question 42

The ratio of circumradius and inradius of an equilateral triangle is

A 1:2

B 3:1

C 2:1

D 1:3

Answer: C

Explanation:

$$\text{Circumradius of a triangle} = R = \frac{abc}{4\Delta}$$

$$\text{Inradius} = r = \frac{2\Delta}{a+b+c}$$

Let the side of the equilateral triangle = a cm

$$\text{Also, area of equilateral triangle} = \Delta = \frac{\sqrt{3}}{4} a^2$$

\Rightarrow Ratio of circumradius and inradius

$$= \frac{a^3}{(4\Delta)} \div \left(\frac{2\Delta}{3a} \right)$$

$$= \frac{3a^4}{8\Delta^2} = \frac{3a^4}{8a^4 \times \frac{3}{16}}$$

$$= \frac{16}{8} = \frac{2}{1}$$

\Rightarrow Ans - (C)

Question 43

AB is a diameter of the circle with centre O , CD is chord of the circle , If $\angle BOC = 120^\circ$, then the value of $\angle ADC$ is

A 42°

B 30°

C 60°

D 35°

Answer: B

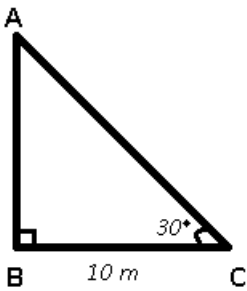
Question 44

A straight tree breaks due to storm and the broken part bends so that the top of the tree touches the ground making an angle of 30° with the ground . The distance from the foot of the tree to the point , where the top touches the ground is 10 m. Find the total height of the tree?

- A $10\sqrt{3}$ m
- B $\frac{10\sqrt{3}}{3}$ m
- C $10(\sqrt{3} + 1)$ m
- D $10(\sqrt{3} - 1)$ m

Answer: A

Explanation:



$(AB+BC) = h$ is the whole height of the tree, the tree breaks down from point A, $BC = 10$ m

In $\triangle ABC$,

$$\Rightarrow \tan(30^\circ) = \frac{AB}{BC}$$

$$\Rightarrow \frac{1}{\sqrt{3}} = \frac{AB}{10}$$

$$\Rightarrow AB = \frac{10}{\sqrt{3}} \text{ m} \text{ -----(i)}$$

Again, in $\triangle ABC$,

$$\Rightarrow \cos(30^\circ) = \frac{BC}{AC}$$

$$\Rightarrow \frac{\sqrt{3}}{2} = \frac{10}{AC}$$

$$\Rightarrow AC = \frac{20}{\sqrt{3}} \text{ m} \text{ -----(ii)}$$

Adding equations (i) and (ii),

$$\Rightarrow AB + AC = \frac{10}{\sqrt{3}} + \frac{20}{\sqrt{3}}$$

$$\Rightarrow h = \frac{30}{\sqrt{3}} = 10\sqrt{3} \text{ m}$$

\Rightarrow Ans - (A)

SSC CGL Free Mock Test

Question 45

The compound interest on a certain sum for 2 years at 10% per annum is Rs. 525 . The simple interest on the same sum for double the time at half the rate percent per annum is :

- A Rs.520

B Rs.550

C Rs. 500

D Rs. 515

Answer: C

Explanation:

Let the sum = Rs. $100x$

For compound interest, rate of interest (r) = 10% and time (t) = 2 years

$$\Rightarrow C.I. = P[(1 + \frac{r}{100})^t - 1]$$

$$\Rightarrow 100x[(1 + \frac{10}{100})^2 - 1] = 525$$

$$\Rightarrow 100x[(\frac{11}{10})^2 - 1] = 525$$

$$\Rightarrow 100x \times (\frac{121-100}{100}) = 525$$

$$\Rightarrow 21x = 525$$

$$\Rightarrow x = \frac{525}{21} = 25$$

\therefore Sum invested = Rs. 2500

For simple interest, rate of interest (r) = 5% and time (t) = 4 years

$$\Rightarrow S.I. = \frac{P \times r \times t}{100}$$

$$= \frac{2500 \times 5 \times 4}{100}$$

$$= 25 \times 20 = \text{Rs. } 500$$

\Rightarrow Ans - (C)

Question 46

If $\tan \theta = \tan 30^\circ \cdot \tan 60^\circ$ and θ is an acute angle, then 2θ is equal to

A 30°

B 45°

C 90°

D 0°

Answer: C

Explanation:

Expression : $\tan(\theta) = \tan(30^\circ)\tan(60^\circ)$

$$\Rightarrow \tan(\theta) = \frac{1}{\sqrt{3}} \times \sqrt{3}$$

$$\Rightarrow \tan(\theta) = 1$$

$$\Rightarrow \theta = \tan^{-1}(1)$$

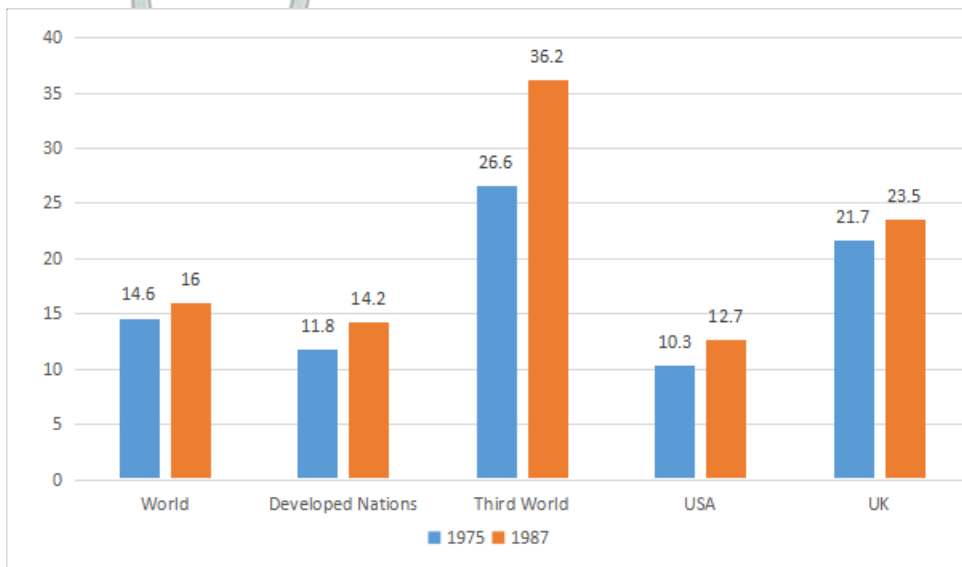
$$\Rightarrow \theta = 45^\circ$$

$$\therefore 2\theta = 2 \times 45 = 90^\circ$$

\Rightarrow Ans - (C)

Instructions

Study the following Bar graph and answer the question . The Bar Graph gives the annual rates of inflation in percentages for 1975 and 1987.



Question 47

From 1975 to 1987 , inflation rate increased in the third world countries approximately by

- A 10%
- B 20%
- C 30%
- D 36%

Answer: D

Explanation:

Inflation rate in the third world countries in 1975 = 26.6

Inflation rate in the third world countries in 1987 = 36.2

$$\Rightarrow \% \text{ increase} = \frac{36.2 - 26.6}{26.6} \times 100$$

$$= 36.09 \approx 36\%$$

\Rightarrow Ans - (D)

SSC CGL Previous Papers (DOWNLOAD PDF)

Question 48

The change in rate of inflation was least in which of the following .

- A Developed Nations
- B UK
- C World
- D Third world

Answer: B

Explanation:

Change in rate of inflation in :

$$\text{World : } \frac{16 - 14.6}{14.6} \times 100 \approx 9.59\%$$

Developed Nations : $\frac{14.2-11.8}{11.8} \times 100 \approx 20.34\%$

Third World : $\frac{36.2-26.6}{26.6} \times 100 \approx 36.09\%$

USA : $\frac{12.7-10.3}{10.3} \times 100 \approx 16.50\%$

UK : $\frac{23.5-21.7}{21.7} \times 100 \approx 8.29\%$

Thus, the change in rate of inflation was least in UK

=> Ans - (B)

Question 49

Comparing the figures for USA vis-a-vis the developed nations , it can be concluded that

- A USA had better control on inflation
- B Developed nations had better control on inflation
- C The inflation rate continues to be the same for USA and developed nations
- D No conclusions can be drawn

Answer: A

Explanation:

Inflation rate in the developed nations in 1975 = 11.8%

Inflation rate in the developed nations in 1987 = 14.2%

=> % increase = $\frac{14.2-11.8}{11.8} \times 100$

$\approx 20.34\%$

Similarly, % increase in USA = $\frac{12.7-10.3}{10.3} \times 100$

$\approx 16.50\%$

Thus, it can be concluded that USA had better control on inflation

=> Ans - (A)

Question 50

In the year 1987 , the inflation rate in the third world countries vis-a-vis the world jumped approximately by

- A 135%
- B 126%
- C 122%
- D 200%

Answer: B

Explanation:

In the year 1987,

Inflation rate in the third world countries = 36.2%

Inflation rate in the world = 16%

=> Required % increase = $\frac{36.2-16}{16} \times 100$

= $\frac{20.2}{4} \times 25 = 126.25 \approx 126\%$

=> Ans - (B)

SSC CGL Tier-2 Previous Papers PDF

Reasoning

Instructions

For the following questions answer them individually

Question 51

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

EARTH : PLANET :: MOON : ?

- A SUN
- B UNIVERSE
- C VENUS
- D SATELLITE

Answer: D

Explanation:

Earth is a planet, in the same way moon is a satellite.

=> Ans - (D)

200 SSC Mocks for just Rs. 249 - Enroll now

Question 52

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

EJOT : _____ :: YDIN : VAFK

- A LQGB
- B BGLQ
- C QBGL
- D BGQL

Answer: B

Explanation:

Expression = YDIN : VAFK

The pattern followed is =

Y	D	I	N
(-3)	(-3)	(-3)	(-3)
V	A	F	K

Similarly, for EJOT :

E	J	O	T
(-3)	(-3)	(-3)	(-3)
B	G	L	Q

=> Ans - (B)

Question 53

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

100 : 102 :: 100000 : ?

- A 105
- B 104
- C 1003
- D 1004

Answer: A

Explanation:

Expression = 100 : 102 :: 100000 : ?

The number of zeroes in the left term is written after 10.

Eg = 100 has 2 0's = 102

Similarly, 100,000 has 5 zeroes = **105**

=> Ans - (A)

Question 54

For the following questions

Find the odd word/letters/number pair from the given alternatives

- A Temple
- B Worship
- C Mosque
- D Church

Answer: B

Explanation:

Temple, Mosque and Church are religious places to worship, hence worship is the odd one out.

=> Ans - (B)

SSC CGL Important Questions PDF

Question 55

For the following questions

Find the odd word/letters/number pair from the given alternatives

- A M N O M
- B B D C B
- C X Z Y X
- D P R Q P

Answer: A

Explanation:

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

(B) : B (+2 letters) = D (-1 letter) = C (-1 letter) = B

(C) : X (+2 letters) = Z (-1 letter) = Y (-1 letter) = X

(D) : P (+2 letters) = R (-1 letter) = Q (-1 letter) = P

=> Ans - (A)

Question 56

For the following questions

Find the odd word/letters/number pair from the given alternatives

A 70, 80

B 54, 62

C 28, 32

D 21, 24

Answer: B

Explanation:

Ratio of each pair =

$$(A) : \frac{70}{80} = \frac{7}{8}$$

$$(B) : \frac{54}{62} = \frac{27}{31}$$

$$(C) : \frac{28}{32} = \frac{7}{8}$$

$$(D) : \frac{21}{24} = \frac{7}{8}$$

=> Ans - (B)

Question 57

Arrange the following words as per order in the dictionary

1. Pearl

2. Peasant

3. Pea

4. Peanut

A 3, 1, 4, 2

B 3, 4, 1, 2

C 1, 3, 2, 4

D 1, 2, 3, 4

Answer: B

Explanation:

As per the dictionary,

= Pea -> Peanut -> Pearl -> Peasant

≡ 3, 4, 1, 2

=> Ans - (B)

1500 + Free Must Solved SSC Questions (With Solutions)

Question 58

Which one set of letters when sequentially placed at the gaps in the given letter series shall complete it?
g f e _ i g _ e i i _ f e i _ g f _ i i

- A ifgie
- B figie
- C eifgi
- D ifige

Answer: A

Explanation:

Expression : g f e _ i g _ e i i _ f e i _ g f _ i i

In a group of 5 letters, the term 'gfeii' is repeated.

= gfeii gfeii gfeii gfeii

=> Ans - (A)

Question 59

Which one number when placed at the sign of interrogation shall complete the series
3, 6, 18, 72, ...?..., 2160

- A 144
- B 216
- C 288
- D 360

Answer: D

Explanation:

Consecutive natural numbers are multiplied.

$$3 \times 2 = 6$$

$$6 \times 3 = 18$$

$$18 \times 4 = 72$$

$$72 \times 5 = 360$$

$$360 \times 6 = 2160$$

=> Ans - (D)

Question 60

Introducing a lady, a lady said, "She is the only daughter of Mohan's grandfather who is my husband's father". How does the lady relate herself with the introduced lady?

- A Aunt
- B Mother
- C Mother-in-law
- D Sister-in-law

Answer: D

Explanation:

Only daughter of Mohan's grandfather = Mohan's aunt

Also, Mohan's grandfather is that lady's husband's father, => Mohan is her son.

Thus, the two ladies are sister-in-law

=> Ans - (D)

General Science Notes for SSC CGL

Question 61

Two years ago, Aadhya was three times as old as his son and two years hence, twice her age will be equal to five times that of her son. Find Aadhya's present age.

A 38 years

B 36 years

C 34 years

D 42 years

Answer: A

Explanation:

Let Aadhya's son's age 2 years ago = x years

=> Aadhya's age 2 years ago = $3x$ years

According to ques,

$$\Rightarrow 2(3x + 4) = 5(x + 4)$$

$$\Rightarrow 6x + 8 = 5x + 20$$

$$\Rightarrow 6x - 5x = 20 - 8$$

$$\Rightarrow x = 12$$

$$\therefore \text{Aadhya's present age} = 3(12) + 2 = 36 + 2 = 38 \text{ years}$$

=> Ans - (A)

Question 62

From the given alternative words, select the word which cannot be formed using the letters of the given word:
ADMINISTRATION

A STRAIN

B TRADITION

C SITUATION

D RATION

Answer: C

Explanation:

The word 'U' does not contain any 'U', and thus the word 'Situation' cannot be formed.

=> Ans - (C)

Question 63

If MOTHER is coded as KMRFCP, then HOUSE is coded as

- A FMRPC
- B GNSQD
- C GNRQD
- D FMSQC

Answer: D

Explanation:

MOTHER is coded as KMRFCP

The pattern followed is :

M	O	T	H	E	R
(-2)	(-2)	(-2)	(-2)	(-2)	(-2)
K	M	R	F	C	P

Similarly, for HOUSE :

H	O	U	S	E
(-2)	(-2)	(-2)	(-2)	(-2)
F	M	S	Q	C

=> Ans - (D)

Free SSC Study Material (18,000 Solved Questions)

Question 64

If D stands for \times , S stands for $+$, A stands for $-$ and M stands for \div , what is the value of the given expression 28D6S34M2A8D6

- A 558
- B 3312
- C 137
- D 31

Answer: C

Explanation:

Given 28D6S34M2A8D6

=> After decoding we get, $28 \times 6 + 34 \div 2 - 8 \times 6$

=> $28 \times 6 + 17 - 8 \times 6$

=> $168 + 17 - 48$

= 137

Question 65

If $3 * 4 = 10$, $5 * 8 = 18$, $7 * 7 = ?$

- A 26
- B 21
- C 28
- D 49

Answer: B

Explanation:

The pattern followed is that twice the first number is added to the second number.

Eg : $3 * 4 = 2 \times 3 + 4 = 6 + 4 = 10$

and $5 * 8 = 2 \times 5 + 8 = 10 + 8 = 18$

Similarly, $7 * 7 = 2 \times 7 + 7 = 14 + 7 = 21$

=> Ans - (B)

Question 66

In the following question, a series is given with one term missing. Choose the correct alternative from the given ones that will complete the series.

1	2	3
11	7	5
120	45	?

A 19

B 16

C 15

D 17

Answer: B

Explanation:

In the first column, the sum of square of first number and the third number is equal to the square of second number.

Eg : $1^2 + 120 = 121 = 11^2$

and $2^2 + 45 = 49 = 7^2$

Similarly, $3^2 + x = 5^2$

=> $x = 25 - 9 = 16$

=> Ans - (B)

SSC Exam Free Videos (Youtube)

Question 67

Rahul starts and walks towards the south, he then turns to his right and walks 5 kms, then again turns left and walks 3 kms and then again turns left and walks 5 kms. In which direction is he from the starting point?

A NORTH

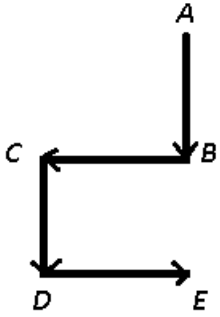
B SOUTH

C EAST

D WEST

Answer: B

Explanation:



Let Rahul starts from point A and walks south till he reaches B, then he turns right and walks for 5 km and reach point C. Then, he turns left and travel south for 3 km and before finally stopping at point E.

Thus, he is in south direction from starting point.

=> Ans - (B)

Question 68

Consider the given statement/s to be true and decide which of the given conclusions/assumptions can definitely be drawn from the given statement.

Statements:

- a) Odisha is still an underdeveloped state.
- b) Problems like poverty, unemployment and illiteracy have not been solved.

Conclusions:

- I) The administration of Orissa is not sensitive enough.
- II) It is the Will of God.

- A Only I follows
- B Only II follows
- C Both I and II follow
- D Neither I and II follows

Answer: D

Explanation:

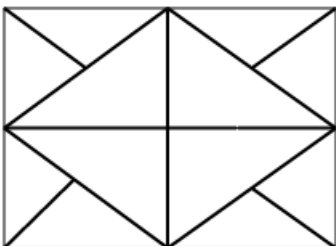
Whether the administration of Orissa is sensitive or not, it does not determine the underdeveloped condition of Orissa. Similarly, the will statements do not conclude that it is the will of God.

Thus, neither I and II follows.

=> Ans - (D)

Question 69

How many triangles are there in the following figure?



- A 12
- B 16
- C 10

D 20

Answer: D

Explanation:

Smaller triangles = 12

Triangles formed with 2 triangles = 4

Larger triangles (combining triangles at the centre) = 4

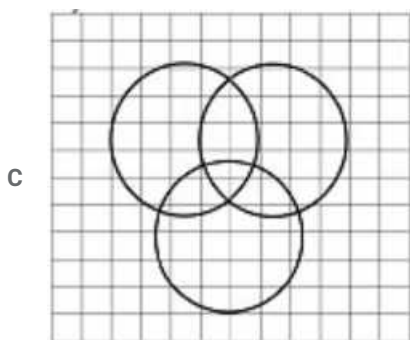
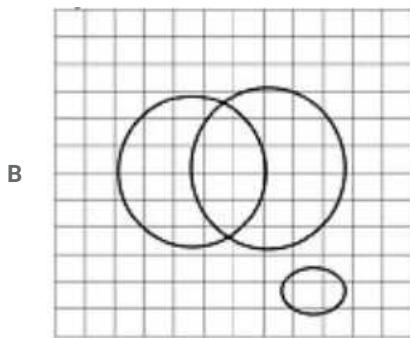
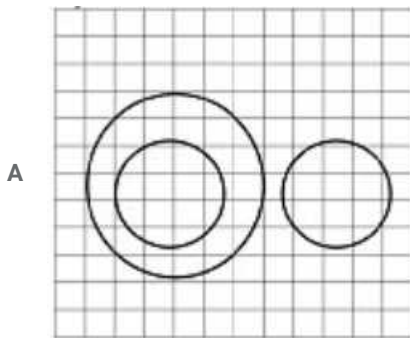
Thus, total triangles = $12 + 4 + 4 = 20$

=> Ans - (D)

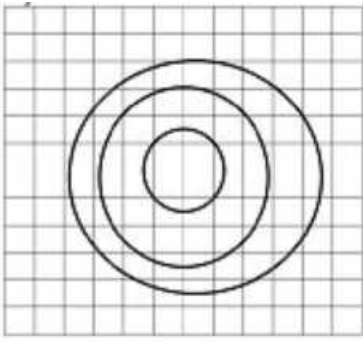
SSC Free Preparation App

Question 70

Which illustrates the relationship amongst Judges, thieves and criminals?



D



Answer: A

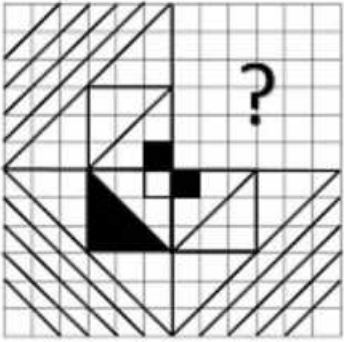
Explanation:

All the thieves are criminals while judge is different from these, thus the first figure best illustrates the relationship amongst Judges, thieves and criminals.

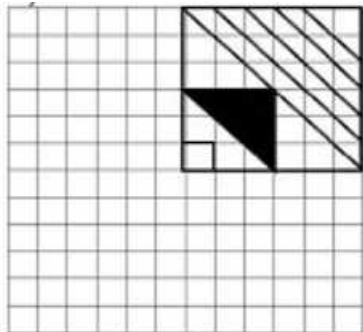
=> Ans - (A)

Question 71

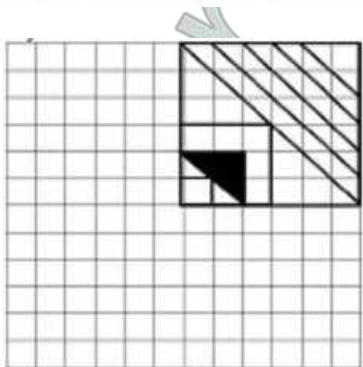
Which answer figure will complete the pattern in the question figure?



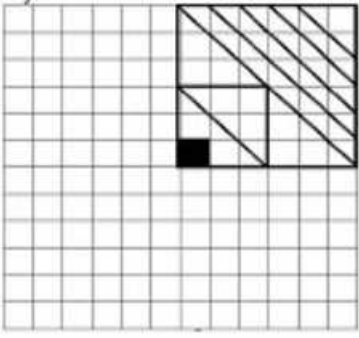
A



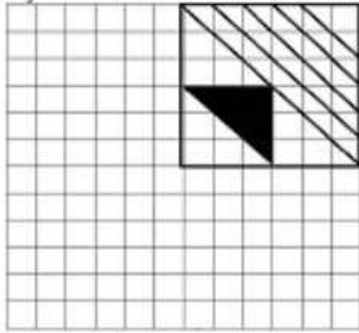
B



C



D



Answer: A

Explanation:

When we complete the above figure, we get :

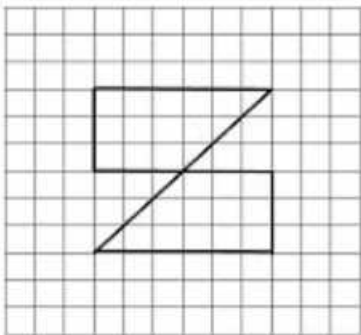


Now, the first figure resembles the above missing part in blue colour.

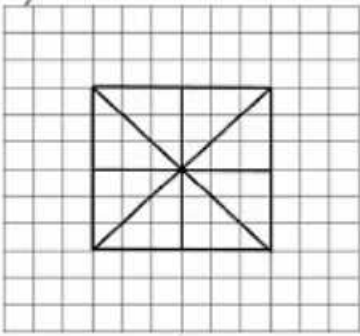
=> Ans - (A)

Question 72

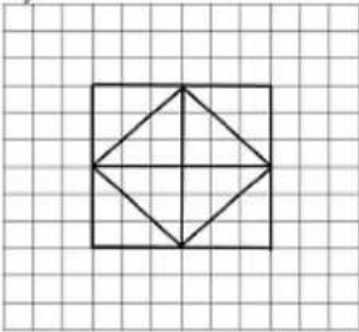
From the given answer figures, select the one in which the question figure is hidden/embedded?



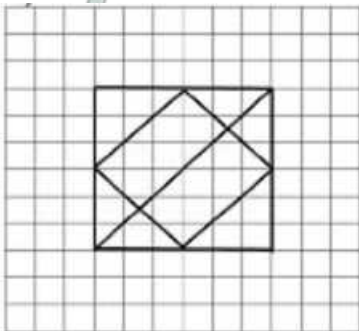
A



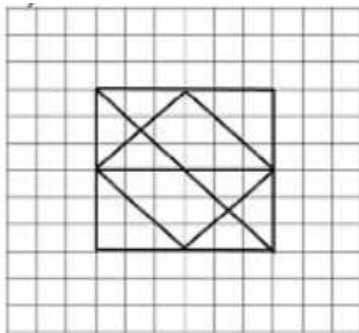
B



C



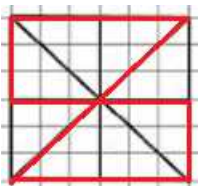
D



Answer: A

Explanation:

The question figure is embedded in the following figure:

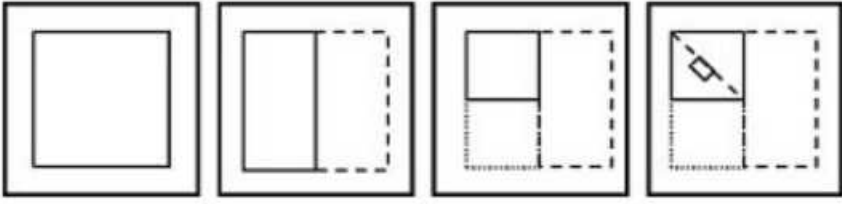


=> Ans - (A)

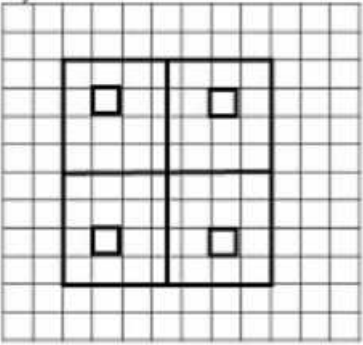
Daily Free SSC Practice Set

Question 73

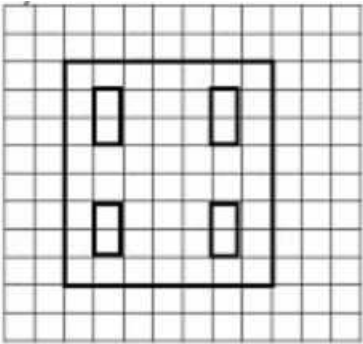
A piece of paper is folded and punched as shown below. From the given responses, indicate how will it appear when open?



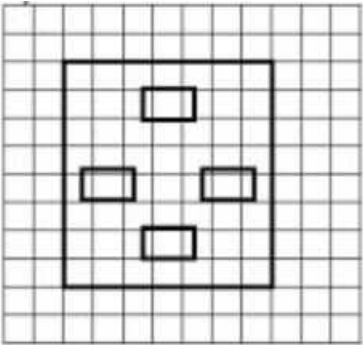
A



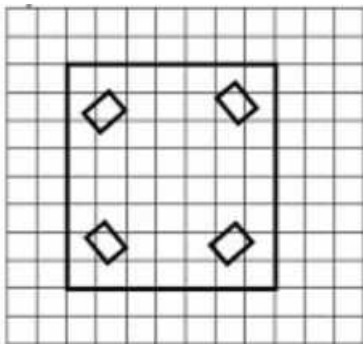
B



C



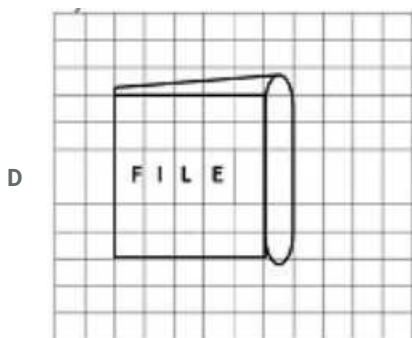
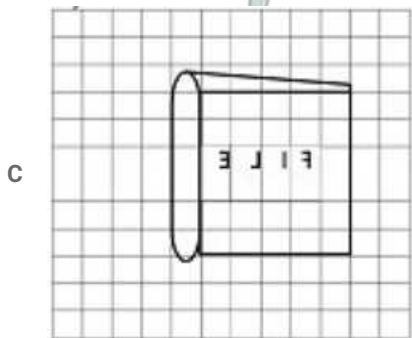
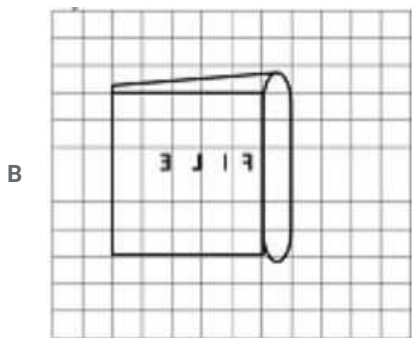
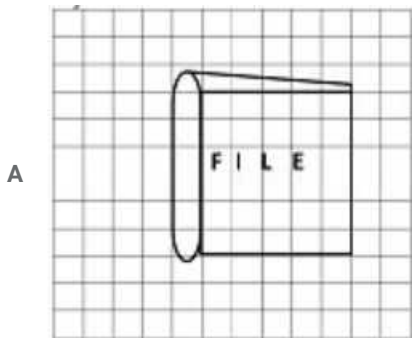
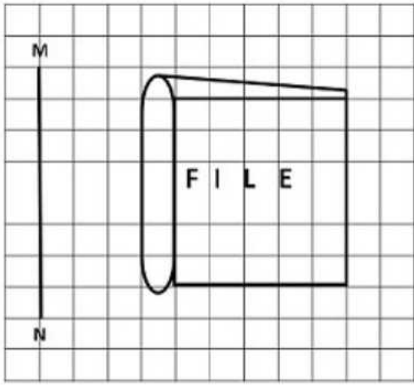
D



Answer: D

Question 74

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 vertical mirror is placed, so the notepad will change the position, thus first and third options are not possible.

Also, the words will be reversed, thus the last option is also eliminated.

=> Ans - (B)

Question 75

In the question, 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 in two matrices given below. 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, e.g., K can be represented by 00, 24, etc. and A can be represented by 55 etc. You have to identify the set for the word 'SHIP'

Matrix - I

	0	1	2	3	4
0	K	G	E	A	S
1	P	V	H	R	Y
2	N	V	N	R	K
3	W	S	B	O	J
4	T	U	A	I	P

Matrix - II

	5	6	7	8	9
5	A	H	U	W	N
6	Y	R	B	T	V
7	O	I	H	B	Q
8	V	O	E	I	S
9	E	T	K	W	P

A 31, 56, 43, 10

B 89, 12, 40, 99

C 04, 21, 76, 44

D 89, 56, 34, 11

Answer: A

Explanation:

(A) : 31, 56, 43, 10 = SHIP

(B) : 89, 12, 40, 99 = SHTP

(C) : 04, 21, 76, 44 = SVIP

(D) : 89, 56, 34, 11 = SHJP

=> Ans - (A)

SSC CGL Free Online Coaching

English

Instructions

For the following questions answer them individually

Question 76

In the following question, out of the four alternatives, choose the word which best expresses the meaning of the given word and click the button corresponding to it.

RECTIFY

A SATISFY

B CORRECT

C REDUCE

D PACIFY

Answer: B

SSC CHSL Previous Question papers (download pdf)

Question 77

In the following question, out of the four alternatives, choose the word which is opposite in meaning to the given word and click the button corresponding to it.

VANQUISH

- A VANISH
- B VARNISH
- C SURRENDER
- D TRAMPLE

Answer: C

Question 78

Four words are given, out of which only one word is spelt correctly. Choose the correctly spelt word and click the button corresponding to it.

- A Groteasque
- B Grotasque
- C Growtesque
- D Grotisque

Answer: D

Question 79

In the following questions, one part of the sentence may have an error. Find out which part of the sentence has an error and click the button corresponding to it. If the sentence is free from error, click the "No error" option.

Here is something pretty (a) / that you can (b) / wear on the party (c) / No Error (d)

- A Here is something pretty
- B that you can
- C wear on the party
- D No Error

Answer: C

Free SSC Study Material (18,000 Solved Questions)

Question 80

In the following questions, one part of the sentence may have an error. Find out which part of the sentence has an error and click the button corresponding to it. If the sentence is free from error, click the "No error" option.

He was for all (a) / selling the car (b) / and buying a bicycle (c) / No Error(d)

- A He was for all

- B selling the car
- C and buying a bicycle
- D No Error

Answer: A

Question 81

In the following questions, one part of the sentence may have an error. Find out which part of the sentence has an error and click the button corresponding to it. If the sentence is free from error, click the "No error" option.

Look at what (a) / I am doing (b) / and do like I do (c) / No Error (d)

- A Look at what
- B I am doing
- C and do like I do
- D No Error

Answer: C

Question 82

The sentences given with blanks are to be filled with an appropriate word(s). Four alternatives are suggested for each question. For each question, choose the correct alternative and click the button corresponding to it.

See me tomorrow without _____.

- A fails
- B failure
- C fail
- D failing

Answer: C

Latest Job Updates on Telegram - Join here

Question 83

The sentences given with blanks are to be filled with an appropriate word(s). Four alternatives are suggested for each question. For each question, choose the correct alternative and click the button corresponding to it.

Radium _____ rays that blind the eyes.

- A gives away
- B gives over
- C gives up
- D gives off

Answer: D

Question 84

The sentences given with blanks are to be filled with an appropriate word(s). Four alternatives are suggested for each question. For each question, choose the correct alternative and click the button corresponding to it.

You will have to work _____ you are in the office.

- A as long as
- B as good as
- C as far as
- D so far as

Answer: A

Question 85

In each of the questions, four alternatives are given for the Idiom/Phrase. Choose the alternative which best expresses the meaning of the Idiom/Phrase and click the button corresponding to it.

To add fuel to the fire

- A Prevent fire from dying out
- B Make the fire burn brightly
- C Make things worse
- D Waste fuel for no reason.

Answer: C

SSC CGL Free Mock Test

Question 86

In each of the questions, four alternatives are given for the Idiom/Phrase. Choose the alternative which best expresses the meaning of the Idiom/Phrase and click the button corresponding to it.

To take to heart

- A To be greatly affected
- B To take something heartily
- C To strike at the heart, out of enjoyment
- D To suffer from heart disease

Answer: A

Question 87

In each of the questions, four alternatives are given for the Idiom/Phrase. Choose the alternative which best expresses the meaning of the Idiom/Phrase and click the button corresponding to it.

To bring to light

- A To put on light
- B To reveal
- C To bring a light

D To arrange light sufficiently

Answer: B

Question 88

A sentence/a part of the sentence is underlined. Four alternatives are given to the underlined part which will improve the sentence. Choose the correct alternative and click the button corresponding to it. In case no improvement is needed, click the button corresponding to "No improvement".

Lying in my room,the music could be heard

A I could hear the music

B The music can be heard

C The music can be heard by me

D No improvement

Answer: A

SSC CGL Previous Papers (DOWNLOAD PDF)

Question 89

A sentence/a part of the sentence is underlined. Four alternatives are given to the underlined part which will improve the sentence. Choose the correct alternative and click the button corresponding to it. In case no improvement is needed, click the button corresponding to "No improvement".

Come quickly ifyou will catch the train

A you want to

B you shall

C you could

D No improvement

Answer: A

Question 90

A sentence/a part of the sentence is underlined. Four alternatives are given to the underlined part which will improve the sentence. Choose the correct alternative and click the button corresponding to it. In case no improvement is needed, click the button corresponding to "No improvement".

At the sound of foot steps he turned roundfast really

A real fast

B real fastly

C real faster

D No improvement

Answer: A

Question 91

A sentence/a part of the sentence is underlined. Four alternatives are given to the underlined part which will improve the sentence. Choose the correct alternative and click the button corresponding to it. In case no improvement is needed, click the button corresponding to "No improvement".

Only a few people came to the art exhibition as it was raining hard all day.

- A few
- B little
- C a small amount of
- D No improvement

Answer: D

SSC CGL Tier-2 Previous Papers PDF

Question 92

A sentence/a part of the sentence is underlined. Four alternatives are given to the underlined part which will improve the sentence. Choose the correct alternative and click the button corresponding to it. In case no improvement is needed, click the button corresponding to "No improvement".

His immediate ambition was to find a place to live in.

- A Strategy
- B Design
- C Aim
- D No improvement

Answer: C

Question 93

Out of the four alternatives, choose the one which can be substituted for the given words/sentences and click the button corresponding to it.

A large body of people playing various musical instruments.

- A Melody
- B Harmony
- C Elocution
- D Orchestra

Answer: D

Question 94

Out of the four alternatives, choose the one which can be substituted for the given words/sentences and click the button corresponding to it.

Solemn religious acts

- A Demonstrations
- B Celebrations

- C Rites
- D Functions

Answer: C

200 SSC Mocks for just Rs. 249 - Enroll now

Question 95

Out of the four alternatives, choose the one which can be substituted for the given words/sentences and click the button corresponding to it.

That which cannot be averted

- A Inevitable
- B Irreparable
- C Incomparable
- D Indisputable

Answer: A

Instructions

A passage is given with 5 questions following it. Read the passage carefully and choose the best answer to each question out of the four alternatives and click the button corresponding to it.

The function of education is to prepare young people to understand the whole process of life. The end of education is not merely to pass some examinations and get a job and earn one's livelihood. If education is to make people understand life, then surely life is not merely a job or an occupation; life is something extraordinarily wide and profound, it is a great mystery, a vast realm in which we function as human beings. If we prepare ourselves only to earn a livelihood, we shall miss the whole point of life. To understand life is much more important than to get a degree or pass an examination for a job. Life, with all its subtleties, is such a vast expanse. It has its extraordinary beauty, its sorrows and joys. It also has its hidden things of the mind such as envies, ambitions, passions, fears, fulfilments and anxieties. The birds, the flowers, the flourishing trees, the heavens, the stars, the rivers and the fishes therein - all this is life. When we are young we must seek and find out what life is all about. Thus we cultivate intelligence with the help of education. Intelligence is the capacity to think freely, without fear, without a formula, so that we begin to discover for ourselves what is real and what is true. Anyone who is gripped with fear will never be intelligent. Most of us have fear in one form or another. Where there is fear there is no intelligence. Thus what education should do is help us understand the need of freedom. Unless we are free we will not understand the whole process of living. When we are free we have no fear. We do not imitate but we discover.

Question 96

What is the effect of fear on humans?

- A We understand life's great mystery.
- B We are not able to develop our intelligence.
- C We think freely.
- D We see the vast expanse of life.

Answer: B

Question 97

The aim of education is to make us realise the need of _____ .

- A understanding science
- B freedom

- C jobs
- D passing examinations

Answer: B

SSC CGL Important Questions PDF

Question 98

When we are young we should _____ .

- A seek the meaning of life
- B study and get a degree
- C try for a good job
- D study science

Answer: A

Question 99

Education helps us realize the _____ .

- A way to develop our career
- B need for good health
- C meaning of fear
- D necessity of freedom

Answer: D

Question 100

The passage is about _____ .

- A Education
- B Freedom
- C Intelligence
- D Livelihood

Answer: A

1500 + Free Must Solved SSC Questions (With Solutions)

SSC CGL Free Mock Test

SSC CGL Previous Papers (DOWNLOAD PDF)

SSC CGL Tier-2 Previous Papers PDF

200 SSC Mocks for just Rs. 249 - Enroll now

SSC CGL Important Questions PDF

1500 + Free Must Solved SSC Questions (With Solutions)

General Science Notes for SSC CGL

Free SSC Study Material (18,000 Solved Questions)

SSC Exam Free Videos (Youtube)

SSC Free Preparation App

Daily Free SSC Practice Set

SSC CGL Free Online Coaching

SSC CHSL Previous Question papers (download pdf)

Free SSC Study Material (18,000 Solved Questions)

Latest Job Updates on Telegram - Join here