



## 2017 SSC CGL 17 Aug Shift-1

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](mailto:support@cracku.in)

# General Awareness

## Instructions

For the following questions answer them individually

### Question 1

In a centrally planned economy, the \_\_\_\_\_ plans all the important activities in the economy.

- A Industrialists
- B Citizens
- C Government
- D Judiciary

Answer: C

## SSC CGL Free Mock Test

### Question 2

\_\_\_\_\_ says that if we keep increasing the employment of an input, with other inputs fixed, eventually a point will be reached after which the resulting addition to output (i.e., marginal product of that input) will start falling.

- A Law of diminishing marginal product
- B Law of variable proportions
- C The Short Run
- D The Long Run

Answer: A

### Question 3

\_\_\_\_\_ means that the Supreme Court will reconsider the case and the legal issues involved in it.

- A Original Jurisdiction
- B Writ Jurisdiction
- C Appellate Jurisdiction
- D Advisory Jurisdiction

Answer: C

### Question 4

Which amendment of the Constitution of India increased the age of retirement of High Court judges from 60 to 62 years?

- A 10th
- B 12th
- C 15th
- D 245th

Answer: C

## 125 SSC CGL Mocks for just Rs. 199

### Question 5

During their rule the British persuaded or forced cultivators in Madras to grow \_\_\_\_\_.

- A Jute
- B Tea
- C Sugarcane
- D Rice

Answer: D

### Question 6

The queen with the title Didda ruled over which part of India between 980 - 1003?

- A Avadh
- B Kashmir
- C Sindh
- D Bengal

Answer: B

### Question 7

In the north-west, India shares its land boundaries with which country?

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

Answer: D

## SSC CGL Previous Papers (DOWNLOAD PDF)

### Question 8

The part of the Himalayas lying between Satluj and Kali rivers is known as \_\_\_\_\_.

- A Punjab Himalaya
- B Nepal Himalayas
- C Kumaon Himalayas
- D Assam Himalayas

Answer: C

**Question 9**

Potato, tomato and brinjal are three different species but all belong to which genus?

- A Solanum
- B Panthera
- C Felis
- D Tigris

**Answer: A**

**Question 10**

The first formed primary xylem elements are called \_\_\_\_\_.

- A Metaxylem
- B Protoxylem
- C Xylem fibres
- D Xylem parenchyma

**Answer: B**

**25 SSC CHSL Mocks for just Rs. 149**

**Question 11**

Nereis, Pheretima (Earthworm) and Hirudinaria (blood sucking leech) are examples of which Phylum?

- A Coelenterata
- B Aschelminthes
- C Annelida
- D Arthropoda

**Answer: C**

**Question 12**

In humans, the sound is produced by the \_\_\_\_\_.

- A oesophagus
- B larynx
- C medulla
- D epiglottis

**Answer: B**

**Question 13**

The vocal cords in men are about \_\_\_\_\_ long.

- A 10mm
- B 20mm
- C 30mm
- D 40mm

Answer: B

## SSC CGL Tier-2 Previous Papers PDF

### Question 14

The \_\_\_\_\_ uses an addressing scheme known as URL to indicate the location of files on the web.

- A JavaScript
- B World Wide Web
- C SQL
- D String

Answer: B

### Question 15

Most liquids that conduct electricity are solutions of acids, bases and \_\_\_\_\_.

- A Copper
- B Aluminium
- C Salts
- D Iron

Answer: C

### Question 16

Which base is present in milk of magnesia?

- A Magnesium hydroxide
- B Ammonium hydroxide
- C Sodium hydroxide
- D Calcium hydroxide

Answer: A

## SSC CGL Important Questions PDF

### Question 17

\_\_\_\_\_ is the process of restoring a forest that once existed but was removed at some point of time in the past.

- A Deforestation
- B Reforestation
- C Greenhouse
- D Jhum cultivation

**Answer: B**

**Question 18**

\_\_\_\_\_ scheme launched by the Central Government to eliminate open defecation by constructing toilets for households, communities.

- A Swachh Bharat Abhiyan
- B Gram Uday Se Bharat Uday Abhiyan
- C Stand up India scheme
- D National RU URBAN Mission

**Answer: A**

**Question 19**

**Who discovered Sodium?**

- A Humphry Davy
- B William Henry Fox
- C J.J.Thomson
- D Karl Benz

**Answer: A**

**1500 + Free Must Solved SSC Questions (With Solutions)**

**Question 20**

**Who was the 2016 Men's Kabaddi World Cup Runner-Up?**

- A Thailand
- B Iran
- C Argentina
- D Pakistan

**Answer: B**

**Question 21**

**Jama Masjid of Delhi was built in which century?**

- A 15th

- B 16th
- C 17th
- D 18th

**Answer: C**

**Question 22**

**Which of the following won The Man Booker Prize 2016?**

- A The Sellout
- B A Brief History of Seven Killings
- C The Narrow Road to the Deep North
- D The Luminaries

**Answer: A**

## General Science Notes for SSC CGL

**Question 23**

**Which of the statements given below are correct?**

1. The author of the novel 'Gilead' is Don Winslow.
2. The author of the novel 'Wolf Hall' is Stephen Dobyns.
3. The author of the novel 'To Kill a Mockingbird' is Harper Lee.

- A 1 and 2
- B 2 and 3
- C 1 and 3
- D 1, 2 and 3
- E Only 3 is correct

**Answer: E**

**Question 24**

**What was United Kingdom's rank in 2016 Human Development Index published by the United Nations Development Programme?**

- A 4
- B 16
- C 64
- D 256

**Answer: B**

**Question 25**

**Which railway station is used for immigration and customs of passengers who travel on the Thar Express between Pakistan and India?**

- A Jalal Marri
- B Zero Point
- C Lal Pir
- D Gujar Garhi

Answer: B

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

### Mathematics

#### Instructions

For the following questions answer them individually

#### Question 26

Select the correct option:

Convert binary 1101111 to decimal.

- A 111
- B 101
- C 110
- D 100

Answer: A

#### Explanation:

Binary number =  $(1101111)_2$

Equivalent decimal number =  $(1 \times 2^0) + (1 \times 2^1) + (1 \times 2^2) + (1 \times 2^3) + (0 \times 2^4) + (1 \times 2^5) + (1 \times 2^6)$

$= 1 + 2 + 4 + 8 + 0 + 32 + 64 = (111)_{10}$

=> Ans - (A)

### SSC Exam Free Videos (Youtube)

#### Question 27

A can finish a work in 18 days and B in 36 days. If they work on it together for 9 days, then what percent of work is left?

- A 33.3
- B 20
- C 75
- D 25

Answer: D

#### Explanation:

Let total work to be done = 36 units

A's efficiency =  $\frac{36}{18} = 2$  units/day



$$\text{B's efficiency} = \frac{36}{36} = 1 \text{ unit/day}$$

$$(\text{A} + \text{B})\text{'s 1 day's work together} = 2 + 1 = 3 \text{ units/day}$$

$$\text{Now, work done by them together in 9 days} = 9 \times 3 = 27 \text{ units}$$

$$\Rightarrow \text{Work left} = 36 - 27 = 9 \text{ units}$$

$$\therefore \text{Percent of work that is left} = \frac{9}{36} \times 100 = 25\%$$

$\Rightarrow$  Ans - (D)

#### Question 28

The diagonal of a square is 12 cm what is the length (in cm) of its side?

A  $6\sqrt{2}$

B  $12\sqrt{2}$

C 6

D 9

Answer: A

#### Explanation:

Let side of square =  $a$  cm

Diagonal of square =  $d = 12$  cm

$$\Rightarrow (a)^2 + (a)^2 = (d)^2$$

$$\Rightarrow 2a^2 = (12)^2 = 144$$

$$\Rightarrow a^2 = \frac{144}{2} = 72$$

$$\Rightarrow a = \sqrt{72} = 6\sqrt{2} \text{ cm}$$

$\Rightarrow$  Ans - (A)

#### Question 29

If on a Sale there is 30% discount on the marked price of Rs 2500, but the sale is done at Rs 1400 only. What additional discount (in %) did the customer get?

A 10

B 20

C 15

D 25

Answer: B

#### Explanation:

Marked price = Rs. 2500

Discount % = 30%

$$\Rightarrow \text{Selling price} = \frac{70}{100} \times 2500 = \text{Rs. } 1750$$

Actual selling price = Rs. 1400

$$\Rightarrow \text{Additional discount \%} = \frac{(1750 - 1400)}{1750} \times 100$$

$$= \frac{1}{5} \times 100 = 20\%$$

$\Rightarrow$  Ans - (B)

**Question 30**

What is the third proportional to 10 and 25?

- A 125
- B 150
- C 62.5
- D 225

**Answer: C**

**Explanation:**

Three numbers a,b,c are in proportion iff  $b^2 = ac$

Here, a = 10 and b = 25

$$\Rightarrow (25)^2 = 10 \times c$$

$$\Rightarrow c = \frac{625}{10}$$

$$\Rightarrow c = 62.5$$

$\Rightarrow$  Ans - (C)

**Question 31**

In a class of 50 students there are 27 boys. The average weight of these boys is 72 Kg and average weight of the full class is 55.44 kgs. What is the average weight (in kgs) of the girls of the class?

- A 42
- B 48
- C 30
- D 36

**Answer: D**

**Explanation:**

Total number of students = 50 and number of boys = 27

$$\Rightarrow \text{Number of girls in class} = 50 - 27 = 23$$

Average weight of boys = 72 kg

$$\Rightarrow \text{Total weight of boys} = 72 \times 27 = 1944 \text{ kg}$$

$$\text{Similarly, total weight of full class} = 55.44 \times 50 = 2772 \text{ kg}$$

$$\Rightarrow \text{Total weight of girls} = 2772 - 1944 = 828 \text{ kg}$$

$$\therefore \text{Average weight of girls} = \frac{828}{23} = 36 \text{ kg}$$

$\Rightarrow$  Ans - (D)

**Question 32**

If a saree is sold for Rs 1900 the seller will face 5% loss, at what price (in Rs) should he sell the saree to gain 15% profit?

- A 2200

- B 2400
- C 2500
- D 2300

**Answer: D**

**Explanation:**

Selling price of saree = Rs. 1900

Loss % = 5%

$$\Rightarrow \text{Cost price} = 1900 \times \frac{100}{(100-5)}$$

$$= 20 \times 100 = \text{Rs. } 2000$$

Now, profit % = 15%

$$\Rightarrow \text{Selling price} = 2000 \times \frac{115}{100}$$

$$= 20 \times 115 = \text{Rs. } 2300$$

$\Rightarrow$  Ans - (D)

## Daily Free SSC Practice Set

### Question 33

Pranita got 30 marks more in Math than what she got in Science. Her Math marks are 60% of the sum of her Math and Science marks. What are her Science marks?

- A 90
- B 150
- C 120
- D 60

**Answer: D**

**Explanation:**

Let she got  $x$  marks in Science

$$\Rightarrow \text{Maths marks} = (x + 30)$$

According to ques,

$$\Rightarrow (x + 30) = \frac{60}{100}(x + x + 30)$$

$$\Rightarrow (x + 30) = \frac{3}{5}(2x + 30)$$

$$\Rightarrow 5x + 150 = 6x + 90$$

$$\Rightarrow 6x - 5x = 150 - 90$$

$$\Rightarrow x = 60$$

$\Rightarrow$  Ans - (D)

### Question 34

To travel 432 km, an Express train takes 1 hour more than Duronto. If however, the speed of the Express train is increased by 50%, it takes 2 hours less than Duronto. What is the speed (in km/hr) of Duronto train?

- A 60

B 54

C 48

D 72

Answer: B

Explanation:

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

Using, time = distance/speed

$$\text{Acc. to ques, } \Rightarrow \frac{432}{y} - \frac{432}{x} = 1$$

$$\Rightarrow \frac{1}{y} - \frac{1}{x} = \frac{1}{432} \text{ -----(i)}$$

If speed of express train is increased by 50% =  $1.5y$  km/hr

$$\Rightarrow \frac{432}{x} - \frac{432}{1.5y} = 2$$

$$\Rightarrow \frac{1}{x} - \frac{1}{1.5y} = \frac{2}{432} \text{ -----(ii)}$$

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

$$\Rightarrow \frac{1}{y} - \frac{1}{1.5y} = \frac{1}{432} + \frac{2}{432}$$

$$\Rightarrow \frac{1}{3y} = \frac{3}{432}$$

$$\Rightarrow y = \frac{1}{3} \times \frac{432}{3} = 48 \text{ km/hr}$$

$$\therefore \text{Speed of Duronto (in equation (i))} = \frac{1}{x} = \frac{1}{48} - \frac{1}{432}$$

$$\Rightarrow \frac{1}{x} = \frac{9-1}{432} = \frac{8}{432}$$

$$\Rightarrow x = 54 \text{ km/hr}$$

$\Rightarrow$  Ans - (B)

Question 35

What is the difference (in Rs) between the compound interests on Rs. 4000 for 1 year at 12% per annum compounded yearly and half-yearly?

A 14.4

B 12.4

C 10.4

D 16.4

Answer: A

Explanation:

Sum invested = Rs. 4000

Rate of interest = 12% and time period = 1 year

$$\Rightarrow \text{Compound interest compounded yearly} = P[(1 + \frac{r}{100})^t - 1]$$

$$= 4000[(1 + \frac{12}{100})^1 - 1]$$

$$= 4000 \times \frac{12}{100} = \text{Rs. 480}$$

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

$$= 4000[(1 + \frac{12}{200})^2 - 1]$$

$$= 4000 \left[ \left( \frac{53}{50} \right)^2 - 1 \right]$$

$$= 4000 \left( \frac{2809 - 2500}{2500} \right)$$

$$= 8 \times \frac{309}{5} = \text{Rs. } 494.4$$

∴ Required difference = Rs. (494.4 - 480) = Rs. 14.4

⇒ Ans - (A)

## SSC CGL Free Online Coaching

### Question 36

If  $7x - \frac{3(2x - 3)}{2} = \frac{1}{2}$ , then what is the value of  $x$ ?

A -1

B 1

C 3

D -3

Answer: A

Explanation:

$$\text{Expression : } 7x - \frac{3(2x - 3)}{2} = \frac{1}{2}$$

$$= 7x - \left( \frac{6x - 9}{2} \right) = 0.5$$

$$= \frac{14x - 6x + 9}{2} = 0.5$$

$$= 8x + 9 = 0.5 \times 2 = 1$$

$$= 8x = 1 - 9 = -8$$

$$= x = \frac{-8}{8} = -1$$

⇒ Ans - (A)

### Question 37

If  $a + b = 4$  and  $ab = 3$ , then what is the value of  $a^3 + b^3$ ?

A 21

B 17

C 28

D 31

Answer: C

Explanation:

$$\text{Given : } ab = 3 \text{ -----(i)}$$

$$\text{Also, } a + b = 4 \text{ -----(ii)}$$

Cubing both sides, we get :

$$\Rightarrow (a + b)^3 = (4)^3$$

$$\Rightarrow a^3 + b^3 + 3ab(a + b) = 64$$

Substituting values from equation (i) and (ii)

$$\Rightarrow a^3 + b^3 + 3(3)(4) = 64$$

$$\Rightarrow a^3 + b^3 = 64 - 36 = 28$$

$\Rightarrow$  Ans - (C)

#### Question 38

The sum of a fraction and 7 times its reciprocal is  $11/2$ . What is the fraction?

A  $7/2$

B  $2/7$

C  $3/4$

D  $4/3$

Answer: A

#### Explanation:

Let the fraction be  $x$

According to ques,

$$\Rightarrow x + \frac{7}{x} = \frac{11}{2}$$

$$\Rightarrow \frac{x^2 + 7}{x} = \frac{11}{2}$$

$$\Rightarrow 2x^2 + 14 = 11x$$

$$\Rightarrow 2x^2 - 11x + 14 = 0$$

$$\Rightarrow 2x^2 - 4x - 7x + 14 = 0$$

$$\Rightarrow 2x(x - 2) - 7(x - 2) = 0$$

$$\Rightarrow (x - 2)(2x - 7) = 0$$

$$\Rightarrow x = 2, \frac{7}{2}$$

$\Rightarrow$  Ans - (A)

## SSC CHSL Previous Question papers (download pdf)

#### Question 39

The 3rd and 9th term of an arithmetic progression are -8 and 10 respectively. What is the 16th term?

A 34

B 28

C 25

D 31

Answer: D

#### Explanation:

Let the first term of an AP =  $a$  and the common difference =  $d$

$$3\text{th term of AP} = A_3 = a + 2d = -8 \text{ -----(i)}$$

$$9\text{th term} = A_9 = a + 8d = 10 \text{ -----(ii)}$$

Subtracting equation (i) from (ii), we get :

$$\Rightarrow 8d - 2d = 10 - (-8)$$

$$\Rightarrow 6d = 18$$

$$\Rightarrow d = \frac{18}{6} = 3$$

Substituting it in equation (ii),  $\Rightarrow a = 10 - 8(3) = 10 - 24 = -14$

$$\therefore \text{16th term} = A_{16} = a + 15d$$

$$= -14 + 15(3) = -14 + 45 = 31$$

$\Rightarrow$  Ans - (D)

#### Question 40

What is the reflection of the point (1, 2) in the line  $y = 3$ ?

A (1, -4)

B (1, 4)

C (-1, -4)

D (-1, 4)

Answer: B

#### Explanation:

Reflection of point (x,y) in line  $y=a$  is  $(x, y+2a)$

Now, Reflection of point (1,2) in line  $y=3$

$$= [1, -2+2(3)] = (1, 4)$$

$\Rightarrow$  Ans - (B)

#### Question 41

Point A (2, 1) divides segment BC in the ratio 2:3. Co-ordinates of B are (1, -3) and C are (4, y). What is the value of y?

A 8

B -7

C -8

D 7

Answer: D

#### Explanation:

Using section formula, the coordinates of point that divides line joining  $A = (x_1, y_1)$  and  $B = (x_2, y_2)$  in the ratio  $a : b$

$$= \left( \frac{ax_2 + bx_1}{a+b}, \frac{ay_2 + by_1}{a+b} \right)$$

Now, point A (2,1) divides (1,-3) and (4,y) in ratio = 2 : 3

$$\Rightarrow 1 = \frac{(-3 \times 3) + (y \times 2)}{2+3}$$

$$\Rightarrow 2y - 9 = 5$$

$$\Rightarrow 2y = 5 + 9 = 14$$

$$\Rightarrow y = \frac{14}{2} = 7$$

$\Rightarrow$  Ans - (D)

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

### Question 42

At what point does the line  $2x + 5y = -6$  cuts the X-axis?

- A (3, 0)
- B (0, 3)
- C (-3, 0)
- D (0, -3)

Answer: C

### Explanation:

Let the line  $2x + 5y = -6$  cuts the X-axis at point  $A(x,0)$

Substituting coordinates of A in the equation :

$$\Rightarrow 2(x) + 5(0) = -6$$

$$\Rightarrow x = \frac{-6}{2} = -3$$

$\therefore$  The line  $2x + 5y = -6$  cuts the X-axis at (-3,0)

$\Rightarrow$  Ans - (C)

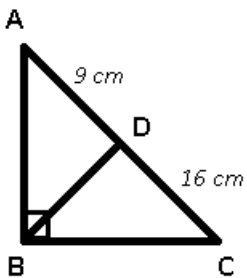
### Question 43

$\triangle ABC$  is right angled at B. BD is an altitude. AD = 9 cm and DC = 16 cm. What is the value of BD (in cm)?

- A 6
- B 18
- C 21
- D 12

Answer: D

### Explanation:



Given : AD = 9 cm and DC = 16 cm

To find : BD = ?

Solution : In  $\triangle ABC$

$$\Rightarrow (BD)^2 = (AD) \times (DC)$$

$$\Rightarrow (BD)^2 = 9 \times 16 = 144$$

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

$\Rightarrow$  Ans - (D)



Question 44

What is the value of  $\tan 45^\circ + \frac{4}{\sqrt{3}} \sec 60^\circ$ ?

A  $(\sqrt{3} + 8)/\sqrt{3}$

B  $(\sqrt{3} + 8)/3$

C  $(\sqrt{3} - 8)/\sqrt{3}$

D  $(\sqrt{3} - 8)/3$

Answer: A

Explanation:

Expression :  $\tan 45^\circ + \frac{4}{\sqrt{3}} \sec 60^\circ$

$$= (1) + \left(\frac{4}{\sqrt{3}} \times 2\right)$$

$$= 1 + \frac{8}{\sqrt{3}} = \frac{\sqrt{3} + 8}{\sqrt{3}}$$

=> Ans - (A)

[Latest Job Updates on Telegram - Join here](#)

Question 45

$\triangle DEF$  is right angled at E. If  $m \angle D = 30^\circ$ . What is the length (in cm) of DE, if  $EF = 2\sqrt{3}$  cm?

A 3

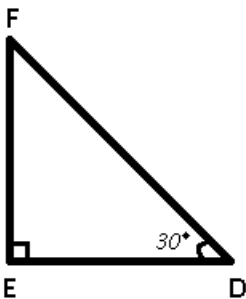
B 4

C 6

D 2

Answer: C

Explanation:



Given :  $EF = 2\sqrt{3}$  cm and  $\angle D = 30^\circ$

To find :  $DE = ?$

Solution : In  $\triangle DEF$ ,

$$\Rightarrow \cot(30^\circ) = \frac{DE}{EF}$$

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

$$\Rightarrow DE = \sqrt{3} \times 2\sqrt{3} = 6 \text{ cm}$$

=> Ans - (C)

Question 46

If  $\sin \theta = 20/29$ , then what is the value of  $\cos \theta$ ?

- A 29/21
- B 21/29
- C 21/20
- D 20/29

Answer: B

Explanation:

Given :  $\sin \theta = \frac{20}{29}$

Using,  $\sin^2 \theta + \cos^2 \theta = 1$

$$\Rightarrow \cos^2 \theta = 1 - \left(\frac{20}{29}\right)^2$$

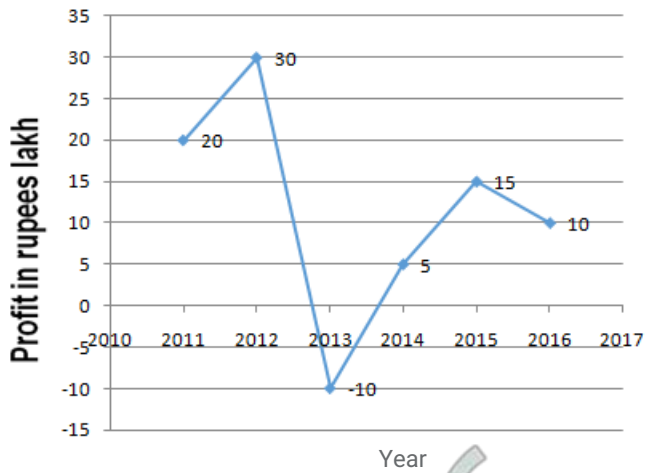
$$\Rightarrow \cos^2 \theta = 1 - \frac{400}{841} = \frac{441}{841}$$

$$\Rightarrow \cos \theta = \sqrt{\frac{441}{841}} = \frac{21}{29}$$

$\Rightarrow$  Ans - (B)

Instructions

The line graph shows annual profits in rupees Lakhs of a certain company from 2011 to 2016. Study the diagram and answer the following questions.



Question 47

The company reported a loss in which year?

- A 2013
- B 2016
- C 2012
- D 2014

Answer: A

Explanation:

Clearly in 2013, the company reported a loss = Rs. 10 lakhs

$\Rightarrow$  Ans - (A)

## Join SSC Daily Quiz Telegram Group

### Question 48

What is the cumulative profits (in lakh Rs) earned by the company in the given six years?

- A 80
- B 70
- C 90
- D 100

**Answer: B**

### Explanation:

Cumulative profits (in lakh Rs) earned by the company in the given six years

$$= 20 + 30 - 10 + 5 + 15 + 10$$

$$= 70$$

=> Ans - (B)

### Question 49

By what value profit in 2012 was more (in %) than the profit of 2011?

- A 10
- B 33.33
- C 50
- D 40

**Answer: C**

### Explanation:

Profit in 2011 (in Rs. lakhs) = 20

Profit in 2012 (in Rs. lakhs) = 30

$$\Rightarrow \text{Required \% increase} = \frac{(30-20)}{20} \times 100$$

$$= \frac{100}{2} = 50\%$$

=> Ans - (C)

### Question 50

If the profits are added to the company's reserves and the reserves stood at Rs 150 lakhs at the end of 2015, what were the reserves (in Rs. lakhs) in the beginning of 2012?

- A 130
- B 90
- C 110
- D 40

**Answer: C**

### Explanation:

Profit of the company from 2012 to 2015 (in Rs. lakhs)

$$= 30 - 10 + 5 + 15 = 40$$

Reserves at the end of 2015 = Rs. 150 lakhs

$$\Rightarrow \text{Reserves (in Rs. lakhs) in the beginning of 2012} = 150 - 40 = 110$$

$\Rightarrow$  Ans - (C)

## SSC CGL Free Mock Test

### Reasoning

#### Instructions

For the following questions answer them individually

#### Question 51

Select the related word from the given alternatives.

Father : Parent :: Sister : ?

- A Other
- B Brother
- C Daughter
- D Sibling

Answer: D

#### Explanation:

Father is one of the parent, similarly a sister is also a sibling.

$\Rightarrow$  Ans - (D)

## 125 SSC CGL Mocks for just Rs. 199

#### Question 52

Select the related letters from the given alternatives.

WTQ : DGJ :: NKH : ?

- A MPS
- B LOR
- C NQT
- D ORV

Answer: A

#### Explanation:

Expression = WTQ : DGJ

The pattern followed is that there are as many alphabets to the left of the first letter as there are to the right of the leftmost letter in right hand side

W is 23th from left end and D is 23th from right end. T is 20th from left end and G is 20th from right end. Finally, Q is 17th from left end and J is 17th from right end in English alphabetical series.

Similarly, for NKH :

Now, N is 14th from left end, thus first letter will be 14th from right end = M

K is 11th from left end, second letter will be 11th from right end = P

H is 8th from left end, third letter will be 8th from right end = S

Thus, missing term = **MPS**

=> Ans - (A)

#### Question 53

Select the related number from the given alternatives.

60 : 15 :: 100 : ?

A 45

B 35

C 5

D 25

Answer: D

**Explanation:**

Expression : 60 : 15 :: 100 : ?

The pattern followed =  $n : \frac{n}{4}$

Eg =  $60 : \frac{60}{4} = 60 : 15$

Similarly,  $\frac{100}{4} = 25$

=> Ans - (D)

#### Question 54

Select the odd word from the given alternatives.

A Chair

B Sofa

C Couch

D Television

Answer: D

**Explanation:**

Apart from television, all others items are used to sit, thus it's the odd one out.

=> Ans - (D)

## SSC CGL Previous Papers (DOWNLOAD PDF)

#### Question 55

Select the odd letters from the given alternatives.

A XVT

B NPR

C LJH

D FDB

Answer: B

Explanation:

(A) : X (-2 letters) = V (-2 letters) = T

(B) : N (+2 letters) = P (+2 letters) = R

(C) : L (-2 letters) = J (-2 letters) = H

(D) : F (-2 letters) = D (-2 letters) = B

=> Ans - (B)

Question 56

Select the odd number from the given alternatives.

A 1

B -2

C -(-3)

D 5

Answer: B

Explanation:

All the numbers given are positive ( $\because -(-3) = 3$ ) but for -2, hence it is the odd one.

=> Ans - (B)

Question 57

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

bat, thin, reply, length, ?

A terror

B display

C dome

D scolding

Answer: B

Explanation:

Expression : bat, thin, reply, length, ?

The pattern is that in each word, number of letters are increasing = 3,4,5,6

Now, the next word must contain 7 letters. Among the option, the word with seven letters is **Display**.

=> Ans - (B)

**25 SSC CHSL Mocks for just Rs. 149**

Question 58

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

AbC, dEfG, hIjKl, MnOpQr, ?

A StUvWxY

- B StUvWx
- C StUvWxYZ
- D sTuVwXy

**Answer: A**

**Explanation:**

Expression : AbC, dEfG, hIjKl, MnOpQr, ?

The pattern followed is that capital and small alphabets are written alternatively and the number of letters are increased in each term.

So, in next term 7 letters will be written starting with 'S' in capital.

Missing term = StUvWxY

=> Ans - (A)

**Question 59**

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

1, 0.125, 1/27, 1/64, ? , 1/216

- A 0.025
- B 1/8
- C 1/128
- D 0.008

**Answer: D**

**Explanation:**

The series is of the form ' $\frac{1}{n^3}$ '

$$\frac{1}{1^3} = 1$$

$$\frac{1}{2^3} = \frac{1}{8} = 0.125$$

$$\frac{1}{3^3} = \frac{1}{27}$$

$$\frac{1}{4^3} = \frac{1}{64}$$

$$\frac{1}{5^3} = \frac{1}{125} = \mathbf{0.008}$$

$$\frac{1}{6^3} = \frac{1}{216}$$

=> Ans - (D)

**Question 60**

**Hansh's birthday is on Monday 5th June. On what day of the week will be Tushar's Birthday in the same year if Tushar was born on 11th December?**

- A Sunday
- B Wednesday
- C Monday
- D Tuesday

**Answer: C**

**Explanation:**

According to the question, 5th June is Monday

Number of days left in June =  $30 - 5 = 25$

Similarly, odd days from June till 11th December =  $(25 + 31 + 31 + 30 + 31 + 30 + 11) \% 7$   
 $= 4 + 3 + 3 + 2 + 3 + 2 + 4 = 21$

Now, dividing 21 by 7, remainder = 0

Thus, day on 11th December = Monday (+0) = Monday

=> Ans - (C)

## SSC CGL Tier-2 Previous Papers PDF

### Question 61

The weights of 4 boxes are 40, 30, 50 and 20 kilograms. Which of the following cannot be the total weight, in kilograms, of any combination of these boxes and in a combination a box can be used only once

- A 120
- B 130
- C 90
- D 100

Answer: B

#### Explanation:

Weights of 4 boxes = 40, 30, 50 and 20 kilograms

(A) :  $120 = 30 + 40 + 50$

(B) : 130 = not possible

(C) :  $90 = 40 + 50$

(D) :  $100 = 20 + 30 + 50$

=> Ans - (B)

### Question 62

From the given words, select the word which cannot be formed using the letters of the given word.

**TOKENISM**

- A NAMES
- B EMITS
- C STONE
- D NOISE

Answer: A

#### Explanation:

The word TOKENISM does not contain any 'A', thus the word 'Names' cannot be formed.

=> Ans - (A)

### Question 63

If SQUALOR is coded as USWCNQT, then how will WHY be coded as?



- A CZR
- B SGY
- C YJA
- D YPT

**Answer: C**

**Explanation:**

SQUALOR is coded as USWCNQT

The pattern followed is :

S	Q	U	A	L	O	R
(+2)	(+2)	(+2)	(+2)	(+2)	(+2)	(+2)
U	S	W	C	N	Q	T

Similarly, for WHY :

W	H	Y
(+2)	(+2)	(+2)
Y	J	A

=> Ans - (B)

## SSC CGL Important Questions PDF

### Question 64

In a certain code language, '+' represents 'x', '-' represents '+', 'x' represents '÷' and '÷' represents '-'. What is the answer to the following question?

$$9 + 3 - 72 \times 6 \div 3 = ?$$

- A 46
- B 21
- C 9
- D 36

**Answer: D**

**Explanation:**

$$\text{Expression} = 9 + 3 - 72 \times 6 \div 3 = ?$$

$$\equiv 9 \times 3 + 72 \div 6 - 3$$

$$= 27 + 12 - 3 = 36$$

=> Ans - (D)

### Question 65

If  $19\#13=3$ ;  $25\#3=11$ ;  $36\#10=13$ ; then what is the value of  $7\#3=?$

- A 21
- B 2
- C 26
- D 39

Answer: B

Explanation:

The pattern followed is that for  $a\#b = \frac{(a-b)}{2}$

Eg :  $19\#13 = \frac{19-13}{2} = \frac{6}{2} = 3$

and  $25\#3 = \frac{25-3}{2} = \frac{22}{2} = 11$

and  $36\#10 = \frac{36-10}{2} = \frac{26}{2} = 13$

Similarly,  $7\#3 = \frac{7-3}{2} = \frac{4}{2} = 2$

=> Ans - (B)

Question 66

Select the missing number from the given responses

10	4	2	12
7	?	3	15
8	5	1	3

- A 9
- B 1
- C 25
- D 2

Answer: D

## 1500 + Free Must Solved SSC Questions (With Solutions)

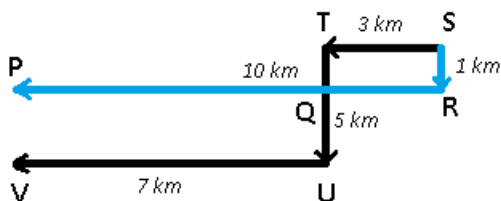
Question 67

A and B start running from the same point. A runs 3 km West, then turns South and runs 5 km, then turns to her right and runs 7 km. B runs 1 km South then turns to her right and runs 10 km. Where is B with respect to A now?

- A 4 km South
- B 4 km North
- C 6 km North
- D 6 km South

Answer: B

Explanation:



Let A and B both start from point S, A's path is represented by black and B's by blue.

A runs 3 km west and reaches T, then he runs 5 km towards south and reaches point U. Finally he stops at V.

Similarly, B runs 1 km towards south and reaches R and finally stops at P after running 10 km.

Thus,  $PV = QU = 5 - 1 = 4$  km

∴ B is 4 km to the north of A.

=> Ans - (B)

### Question 68

In the question a statement is given, followed by two arguments, I and II. You have to consider the statement to be true even if it seems to be at variance from commonly known facts. You have to decide which of the given arguments, if any, is a strong argument.

**Statement :** Should speed breakers be banned?

**Argument I :** Yes, data shows that number of accidents increase after putting the speed breakers.

**Argument II :** No, it teaches fast drivers a lesson.

A if only argument I is strong.

B if only argument II is strong.

C if both I and II are strong.

D if neither I nor II is strong.

**Answer:** A

### Explanation:

The first argument states the downsize of speed breakers and presents data which is crucial to the outcome of the statement, thus it is a strong argument.

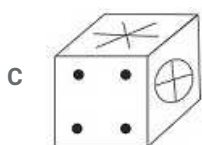
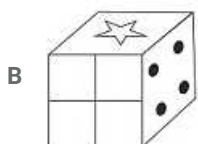
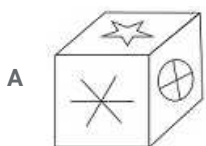
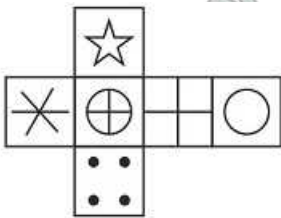
But, the second argument is a weak one, as it does not answer the question.

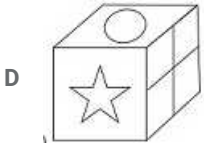
Thus, only argument I is strong.

=> Ans - (A)

### Question 69

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



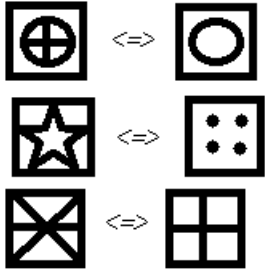


D

Answer: B

**Explanation:**

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



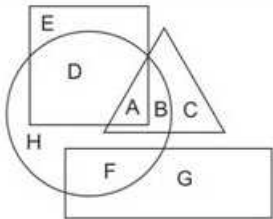
Since, the opposite sides cannot be adjacent in the cube, thus the cube in the second option is not possible.

=> Ans - (B)

## General Science Notes for SSC CGL

**Question 70**

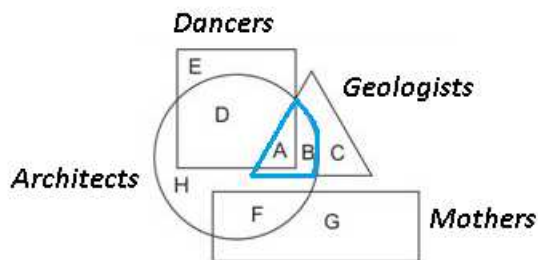
In the following figure, square represents Dancers, triangle represents Geologists, circle represents Architects and rectangle represents Mothers. Which set of letters represents architects who are also Geologists?



- A A,B
- B E,D
- C D,H,F
- D G,C

Answer: A

**Explanation:**

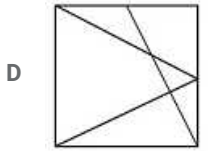
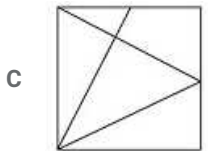
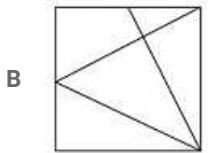
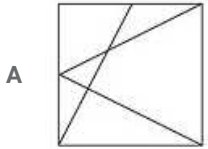
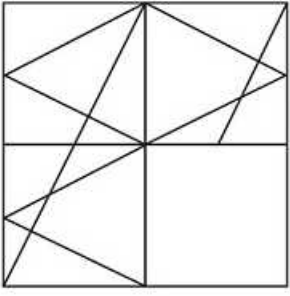


Architects who are also Geologists are represented by the blue outline = A + B

=> Ans - (A)

Question 71

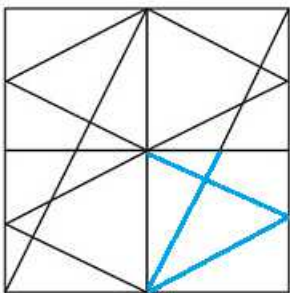
Which answer figure will complete the pattern in the question figure



Answer: C

Explanation:

When we complete the question figure, we get

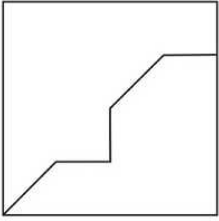


The figure in the third option matches above figure in blue colour.

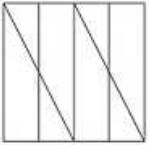
=> Ans - (C)

Question 72

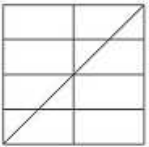
From the given answer select in one in which the question figure is hidden / embedded



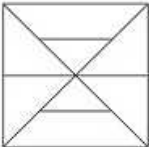
A



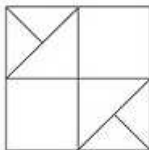
B



C



D



Answer: B

Explanation:

The question figure is embedded in the following figure in blue colour.

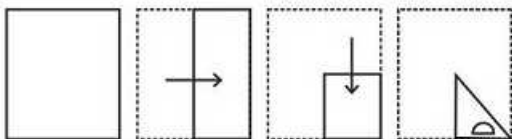


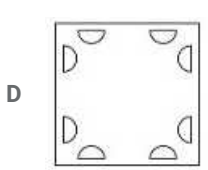
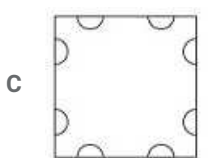
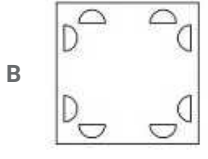
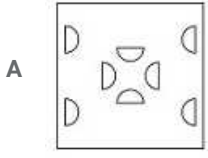
=> Ans - (B)

Free SSC Study Material (18,000 Solved Questions)

Question 73

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.

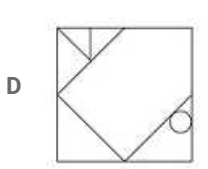
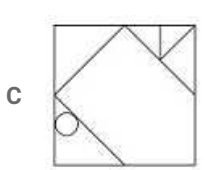
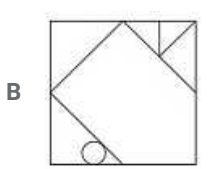
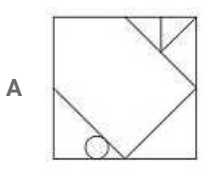
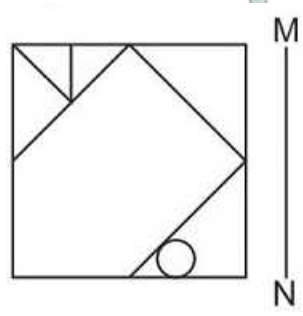




Answer: D

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 objects on the left will appear right and vice-versa. So the pentagon in the question figure (originally pointing at bottom left) will now point at bottom right, so first and last options are eliminated.

Also, the circle will now be on the left of the pentagon but will stay at the bottom and so the third options is also not correct.

=> Ans - (B)

**Question 75**

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 'K' can be represented by 33, 43 etc and 'Z' can be represented by 65, 59 etc. Similarly, you have to identify the set for the word 'SIZE'.

**Matrix - I**

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

**Matrix - II**

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

A 34,32,98,77

B 42,00,99,77

C 03,44,67,77

D 95,24,59,20

Answer: D

**Explanation:**

(A) : 34,32,98,77 = LMNR

(B) : 42,00,99,77 = GESR

(C) : 03,44,67,77 = JDXR

(D) : 95,24,59,20 = **SIZE**

=> Ans - (D)

**SSC Exam Free Videos (Youtube)**

**English**

**Instructions**

For the following questions answer them individually

**Question 76**

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 view of the downstream (a:/ and directly down the (b:/ bridge was awesome. (c:/No Error (d:

A 1

B 2

C 3



D 4

Answer: B

## SSC Free Preparation App

Question 77

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'.

His name was hardly (a:/ known out (b:/ his own country. (c:/No Error (d:

A 1

B 2

C 3

D 4

Answer: B

Question 78

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.

The fun \_\_\_\_\_ reduced significantly when mom decided to tag along.

A mark

B sign

C quotient

D moment

Answer: C

Question 79

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.

The shepherd guarded a large \_\_\_\_\_ of sheep and allowed them to move from pasture to pasture.

A block

B culture

C shoal

D flock

Answer: D

## Daily Free SSC Practice Set

**Question 80**

In the following question, out of the four alternatives, select the word similar in meaning to the word given.

**Facsimile**

- A Disparate
- B Replica
- C Peculiar
- D Contrast

**Answer: B**

**Question 81**

In the following question, out of the four alternatives, select the word similar in meaning to the word given.

**Chauvinism**

- A Neutral
- B Aloof
- C Zealotry
- D Evenhanded

**Answer: C**

**Question 82**

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

**Melody**

- A Chant
- B Lyric
- C Cacophony
- D Inflection

**Answer: C**

**SSC CGL Free Online Coaching**

**Question 83**

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

**Diffident**

- A Bashful
- B Demure
- C Aggressive
- D Meek

Answer: C

**Question 84**

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

**To have a finger in every pie**

- A To Fight with everybody
- B To be involved in a large and varied number of activities or enterprises
- C To make fun of everybody
- D To leave every job unfinished

Answer: B

**Question 85**

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

**To make up one's mind**

- A To be prepared for unfavourable outcomes
- B To make a decision; decide
- C To overcome intense grief
- D To psyche oneself into believing that the task at hand is not impossible

Answer: B

## SSC CHSL Previous Question papers (download pdf)

**Question 86**

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".

We might (have doing) something to help you.

- A having to do
- B has done
- C have done
- D no improvement

Answer: C

**Question 87**

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".

He (to be) positively rude.

- A was being
- B were being

- C being
- D no improvement

Answer: A

**Question 88**

In the following question, out of the four alternatives, select the alternative which is the best substitute of the words/sentence.

**Distorted representation of something**

- A Travesty
- B Solemnity
- C Seriousness
- D Gravity

Answer: A

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

**Question 89**

In the following question, out of the four alternatives, select the alternative which is the best substitute of the words/sentence.

**A feeling of intense longing for something**

- A Yearning
- B Apathy
- C Satiety
- D Gratification

Answer: A

**Question 90**

In the following question, four words are given out of which one word is correctly spelt. Select the correctly spelt word.

- A Pervted
- B Pervited
- C Parverted
- D Parvirted

Answer: A

**Question 91**

In the following question, four words are given out of which one word is correctly spelt. Select the correctly spelt word.

- A Blandnes
- B Blandeness
- C Blandenes

D Blandness

Answer: D

**Latest Job Updates on Telegram - Join here**

**Question 92**

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.

The burning sun

X-our very

Y-seemed to be sucking

Z-blood out of us

A XZY

B XYZ

C ZYX

D YXZ

Answer: D

**Question 93**

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.

I hear the sound

X-his tool raised

Y-of the blow while I see

Z-above his head

A XZY

B XYZ

C YXZ

D ZYX

Answer: C

**Question 94**

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

The tutor always answers the students' questions.

A The students' questions is always answered by the tutor.

B Questions answered by the tutor are by the students.

C The students' questions are always answered by the tutor.

D Questions answered by the tutor is by the students.

Answer: C

## Join SSC Daily Quiz Telegram Group

### Question 95

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

Mother said, "Will you tell me what it means, Pritam?"

- A Mother asked Pritam if he will tell her what it meant.
- B Mother asked Pritam that he would tell her what it meant.
- C Mother asked Pritam if he would tell her what it meant.
- D Mother asked Pritam that he will tell her what it meant.

**Answer: C**

### 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.

Prebiotics are the lesser-known gut-health promoters which serve as food for good bacteria inside the gut. "We found that dietary prebiotics can improve non-REM (random eye movement) sleep, as well as REM sleep after a stressful event," said Robert Thompson, a PhD researcher at University of Colorado Boulder in the U.S. Prebiotics are dietary fibres found naturally in foods like artichokes, raw garlic, leeks and onions.

When beneficial bacteria digest prebiotic fibre, they not only multiply, improving overall gut health, but they also release metabolic by-products. Researchers fed three-week-old male rats a diet of either standard chow or chow that included prebiotics. They then monitored the rats' body temperature, gut bacteria and sleep-wake cycles – using electroencephalogram (EEG), or brain activity testing over time. Findings revealed that the rats on the prebiotic diet spent more time in non-rapid-eye-movement (NREM) sleep, which is restful and restorative, than those on the non-prebiotic diet.

### Question 96

What are prebiotics?

- A Dietary fibres
- B Bacteria
- C Foods like artichokes
- D Gut microbiota

**Answer: A**

### Question 97

What type of sleep is restorative?

- A NREM
- B REM
- C EEG
- D ECG

**Answer: A**

## SSC CGL Free Mock Test

### Question 98

How are metabolic by-products released?

- A When good bacteria help sleep
- B When good bacteria digest dietary fibres
- C When gut becomes rich in nutrients
- D After recovery from stress due to sleep

Answer: B

### Question 99

How can sleep-wake cycles be monitored?

- A By testing brain power
- B By allowing REM and NREM sleep
- C By using EEG
- D By recording body temperature

Answer: C

### Question 100

What is chow ?

- A Type of dietary fibre
- B A class of nutrients
- C Rat food
- D Sleep enhancer

Answer: C

**125 SSC CGL Mocks for just Rs. 199**

**SSC CGL Free Mock Test**

**125 SSC CGL Mocks for just Rs. 199**

**SSC CGL Previous Papers (DOWNLOAD PDF)**

**25 SSC CHSL Mocks for just Rs. 149**

[SSC CGL Tier-2 Previous Papers PDF](#)

[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](#)

[Join SSC Daily Quiz Telegram Group](#)