



## SSC GD 11th Feb 2019 Shift-3

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# Reasoning

## Instructions

For the following questions answer them individually

### Question 1

Find the next number in the given series.

101, 123, 147, 173, ?

A 236

B 201

C 214

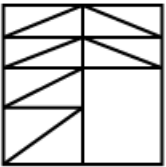
D 223

Answer: B

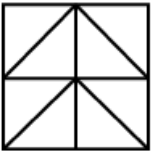
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### Question 2

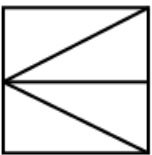
Select the option that will replace the question mark and complete the given pattern.



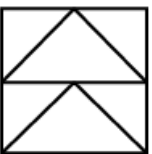
A



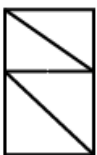
B



C



D



Answer: D

**Question 3**

The statements below are followed by two conclusions labeled I and II. Assuming that the information in the statements is true, even if it appears to be at variance with generally established facts, decide which conclusion(s) logically and definitely follow(s) from the information given in the statements.

**Statements:**

- 1) Some cats are goats.
- 2) All goats are cows.

**Conclusion:**

- I. All cows are goats.
- II. Some cats are cows.

- A Both conclusions I and II follow
- B Either conclusion I or II follows
- C Only conclusion II follows
- D Only conclusion I follows

**Answer: C**

**Question 4**

Four numbers have been given out of which three are alike in some manner, while one is different. Choose the odd one.

- A 68
- B 72
- C 48
- D 96

**Answer: A**

## SSC GD Important Questions and Answers PDF

**Question 5**

A, B, C, D, E and F are six friends seating in a long bench. E and F are at the center while A and B are at the two extreme ends. C is sitting to the immediate left of A. Can you identify who is sitting to the immediate right of B?

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

**Answer: B**

**Question 6**

Select the option that is related to the third term in the same way as the second term is related to the first term.

144 : 12 :: 576 : ?

- A 28
- B 26

C 21

D 24

Answer: D

#### Question 7

Select the option that is analogous to the given pair.

Heart : Cardiology

A Plants : Zoology

B Phycology : Fungi

C Disease : Hospital

D Virus : Virology

Answer: D

## SSC GD Syllabus (Download PDF)

#### Question 8

If in a certain code language the word POLITICAL is written as QNMHUHDZM, then in the same code language how will you write the word SOCIAL?

A DBKNTH

B NTHDBK

C DHBKIN

D TNDHBK

Answer: D

#### Question 9

Six friends P, Q, R, S, T and are sitting at a circular table facing the centre. S is sitting third to the left of T. R is not sitting between T and U. S is not the immediate neighbor of R. Q is seated second to the right of T. Who is sitting between U and Q?

A S

B R

C P

D T

Answer: A

Question 10

The statements below are followed by two conclusions labeled I and II. Assuming that the information in the statements is true, even if it appears to be at variance with generally established facts, decide which conclusion(s) logically and definitely follow(s) from the information given in the statements.

Statements:

- 1) All women are girls.
- 2) Some girls are painters.

Conclusion:

- I. All girls are women.
- II. Some women are painters.

- A Only conclusion I follows
- B Both conclusions I and II follow
- C Neither conclusion I nor II follows
- D Only conclusion II follows

Answer: C

## 20 SSC GD Mocks 117 (Latest Pattern)

Question 11

What will be the value of the following equation if '÷' means 'addition', '+' means 'subtraction', '-' means 'multiplication' and '×' means 'division'?

$$49 \times 7 - 3 \div 9 + 4 = ?$$

- A 31
- B 26
- C 35
- D 39

Answer: B

Question 12

Select the option that is related to the third term in the same way the second term is related to the first term.

PURSE : UPRES :: RAZOR : ?

- A AROZR
- B AZROR
- C ARZRO
- D ARRZO

Answer: C

Question 13

Select the pair of letters that will follow next in the given series.

AB, GH, MN, ST, ?

- A YZ

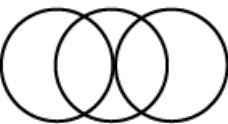


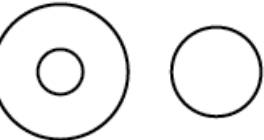
- B VW
- C UV
- D XY

Answer: A

## SSC CPO Previous Question papers (download pdf)

### Question 14

Select the Venn diagram that best represents the relationship among the given set of classes:  
Metals, Silver, Gold

- A 
- B 
- C 
- D 

Answer: C

### Question 15

Find the next number in the given series.  
2, 10, 84, ?

- A 1028
- B 1229
- C 1124
- D 1032

Answer: A

### Question 16

Identify the mirror image of the following word when mirror is placed at right side.

INSOMNIA

A AINM2ONI

B AINMO2NI

C IIN2ONNIA

D IIN2ONNIA

Answer: B

**SSC MTS Previous Question papers (download pdf)**

Question 17

If in a certain code language TERRACE is written as 70, then in the same code language how will you write the word BALCONY?

A 74

B 73

C 72

D 71

Answer: C

Question 18

Pick the odd one out.

A FGH

B AEI

C IOU

D OUA

Answer: A

Question 19

Pick the odd one out.

A Detect

B Perceive

C Ignorance

D Observe

Answer: C

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Question 20

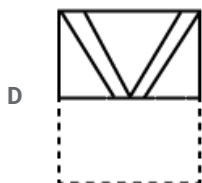
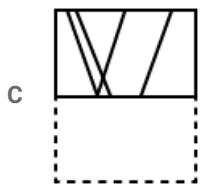
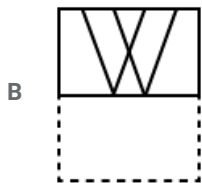
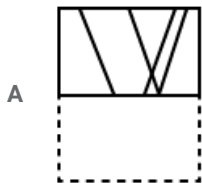
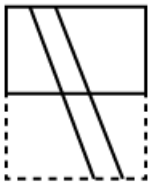
Five men P, Q, R, S and T are reading a newspaper. The one who reads it first, gives it to T. The one who reads it last, had taken it from R. Q is not the first or last one to read it. There were two readers between P and R. Who is the third one to have read the newspaper?

- A R
- B Q
- C S
- D P

Answer: B

Question 21

A square transparent sheet with a pattern is given. How will the pattern appear when the transparent sheet is folded along the dotted line?



Answer: D



Question 22

Complete the number triad:

12	20	28
21	19	?
31	21	11

- A 8
- B 17
- C 12
- D 15

Answer: B

SSC CHSL Previous Papers (DOWNLOAD PDF)

Question 23

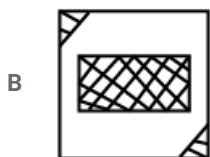
Identify the odd pair from the following.

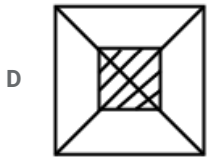
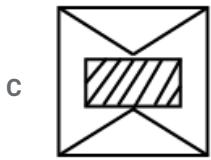
- A Grapes : Bunch
- B Flowers : Bouquet
- C Bees : Swarm
- D Man : Class

Answer: D

Question 24

Identify the figure from the options that has the given figure embedded in it.

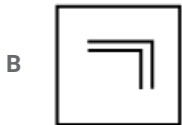
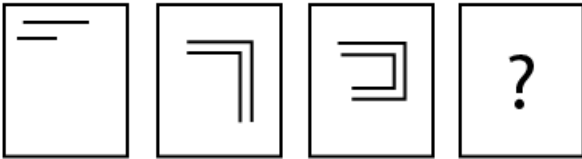




Answer: D

Question 25

Which option will replace the question mark and complete the given figure series?



Answer: C

## SSC Stenographer Previous Papers (Download PDF)

### General knowledge

**Instructions**

For the following questions answer them individually

**Question 26**

**Who is the acting President of the BCCI as on Feb 2019?**

A Shashank Manohar

B CK Khanna

- C Vinod Rai
- D Anurag Thakur

Answer: B

## SSC GD Constable Previous Papers

Question 27

The Pakistani General ..... imposed military rule in his country in the year 1999.

- A Ziauddin Butt
- B Qamar Javed
- C Raheel Sharif
- D Parvez Musharraf

Answer: D

Question 28

The Banaras Hindu University was founded by:

- A Bal Gangadhar Tilak
- B Jawaharlal Nehru
- C Sir Syed Mohammad
- D Pandit Madan Mohan Malaviya

Answer: D

Question 29

Ag is the chemical symbol of an expensive, soft, white and lustrous metal which commonly known as .....

- A aluminium
- B nickel
- C mercury
- D silver

Answer: D

## SSC MTS Previous Papers (DOWNLOAD PDF)

Question 30

Who among the following is a famous singer of Hindustani classical music?

- A Shubha Mudgal
- B Poornima Sharma
- C Rita Ganguli

D Naina Devi

**Answer: A**

**Question 31**

The right of a person, party or nation to stop a certain decision or law is called .....

A authority

B vote

C veto

D power of attorney

**Answer: C**

**Question 32**

Sodium hydroxide is NOT used for .....

A making soap

B making newspapers

C degreasing metals

D preserving pickle

**Answer: D**

**SSC GD Constable Previous Papers (DOWNLOAD PDF)**

**Question 33**

..... took a hat-trick (three wickets) in the first over of the match against Pakistan in 2006, becoming the first and, to date, only bowler to do so.

A Parthiv Patel

B Rohit Sharma

C Irfan Pathan

D Sachin Tendulkar

**Answer: C**

**Question 34**

..... was the first woman Chief Election Commissioner of India.

A Pratibha Devi

B Meira Kumar

C Rama Devi

D Nirmala Sitaraman

**Answer: C**

**Question 35**

Which of the following Steel plants of India does NOT come under the Public Sector?

- A TISCO
- B Rourkela Steel Plant
- C Bhilai Steel Plant
- D Durgapur Steel Plant

**Answer: A**

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

**Question 36**

The book 'The Origin of Species' was written by .....

- A Louis Pasteur
- B James Watson
- C Charles Robert Darwin
- D Jane Good will

**Answer: C**

**Question 37**

Kathakali has its roots in the state of .....

- A Kerala
- B Karnataka
- C Andhra Pradesh
- D Tamil Nadu

**Answer: A**

**Question 38**

Who was Governor of the Reserve Bank of India who submitted his resignation in Dec 2018?

- A Urjit Patel
- B P Chidambaram
- C Narendra Modi
- D Dr. Manmohan Singh

**Answer: A**

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

**Question 39**

**Where is the Charminar located?**

- A Sikandrabad
- B Mumbai
- C Panaji
- D Hyderabad

**Answer: D**

**Question 40**

**India and Srilanka are divided by .....**

- A Gibraltar Strait
- B Bering Strait
- C Hormuz Strait
- D Palk Strait

**Answer: D**

**Question 41**

**Which of the following are NOT a part of the circulatory system?**

- A Capillaries
- B Villi
- C Veins
- D Arteries

**Answer: B**

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

**Question 42**

**Kharif crops can be described as the crops which are sown with the beginning of the ..... season.**

- A Winter
- B Summer
- C Spring
- D Rainy

**Answer: D**

**Question 43**

**Majuli, the largest riverine Island is found in which of the following rivers?**

- A Narmada
- B Kaveri
- C Brahmaputra
- D Godavari

**Answer: C**

**Question 44**

In August 1858, the British parliament passed an act that set an end to the rule of the company, It was called .....

- A Government of India Act
- B Indian Trusts Act
- C Kazis Act
- D Fort William Act

**Answer: A**

## SSC Stenographer Previous Papers (Latest Pattern)

**Question 45**

The 2018 National Film Award for Best Actress was won by .....

- A Deepika Padukone
- B Katrina Kaif
- C Sridevi
- D Alia Bhatt

**Answer: C**

**Question 46**

The 2020 Olympic Games will be held in .....

- A Tokyo
- B Rio de Janeiro
- C Paris
- D Beijing

**Answer: A**

**Question 47**

M.K Gandhi attended highly official meeting with ..... on the behalf of the Indian National Congress on negotiating terms of Constitutional reforms on 5 March 1931

- A Lord Curzon

- B Lord Ripon
- C Lord Irwin
- D Lord Clive

Answer: C

## SSC GD Constable Free Mock Test (Latest Pattern)

### Question 48

The Blue Revolution in India is related to .....

- A jute production
- B indigo production
- C agriculture
- D fish production

Answer: D

### Question 49

The Indian desert lies towards the western margins of the .....

- A Kaimur Hills
- B Himadri
- C Nilgiri Hills
- D Aravalli Hills

Answer: D

### Question 50

..... is the smallest bone in the human body.

- A Carpals
- B Ulna
- C Radius
- D Stapes

Answer: D

## SSC MTS Free Mock Test (Latest Pattern)

### Quant

#### Instructions

For the following questions answer them individually

#### Question 51

If  $x : y = 6 : 5$  and  $z : y = 9 : 25$ , then what is the ratio of  $x : z$  ?



- A 50 : 33
- B 54 : 125
- C 10 : 3
- D 48 : 25

**Answer: B**

**Explanation:**

Given,  $x : y = 6 : 5$  and  $z : y = 9 : 25$

Multiplying  $x : y$  by 5

$x : y = 30 : 25$

$y : z = 25 : 9$

Then,  $x : z = 30 : 9 = 10 : 3$ .

## SSC CPO Free Mock Test (Latest Pattern)

**Question 52**

If Manoj purchases 324 toffees for ₹ 486, then how many toffees should he sell for ₹ 90 to earn 50% profit?

- A 40
- B 60
- C 55
- D 45

**Answer: A**

**Explanation:**

Cost Price of 324 toffees = Rs.486  
486

Cost Price of 1 toffee = Rs  $\frac{486}{324} = Rs.1.5$

Profit = 50%

Selling price of 1 toffee = 150% of Rs.1.5 = Rs.2.25

Then, Selling Price of 90 toffees =  $90 \times 2.25 = 40$  toffees

**Question 53**

If the length of the diagonal of a square is 14 cm, then what will be area of the square?

- A  $156 \text{ cm}^2$
- B  $196 \text{ cm}^2$
- C  $98 \text{ cm}^2$
- D  $40 \text{ cm}^2$

**Answer: C**

**Explanation:**

Given, Length of the diagonal of the square =  $\sqrt{2}a = 14 \text{ cm}$  where  $a$  = side of the square

$\Rightarrow a = \frac{14}{\sqrt{2}} \text{ cm}$

Then, Area of the square =  $(\sqrt{2})^2 = \frac{14}{2} = \frac{196}{2} = 98\text{cm}^2$

#### Question 54

Ravi, Manish and Naveen alone can complete a work in 30 days, 15 days and 10 days respectively. They start the work together but Ravi leaves the work after 2 days of the starting of the work and Manish leaves the work after 3 days more. In how many days Naveen will complete the remaining work?

- A 3 days
- B 4 days
- C 1 day
- D 2 days

**Answer:** C

#### Explanation:

Let the total work be 30 units (LCM of 30, 15 and 10)

Efficiency of Ravi =  $30/30 = 1$  unit per day

Efficiency of Manish =  $30/15 = 2$  units per day

Efficiency of Naveen =  $30/10 = 3$  units per day

They worked together for 2 days.

Work done in 2 days =  $6 \times 2 = 12$  units

Remaining work = 18 units

Manish and Naveen worked for 3 days.

Work done in 3 days =  $5 \times 3 = 15$  units

Remaining work = 3 units.

3 units will be completed by Naveen in 1 day.

### SSC GD Free Videos (Youtube)

#### Question 55

A sum of ₹ 10640 gives interest of ₹ 3724 in x years at 5% simple interest. What will be the value of x ?

- A 8 years
- B 6 years
- C 7 years
- D 9 years

**Answer:** C

#### Explanation:

Given, Principal = Rs.10640

Rate of interest = 5% per annum

Time period = x years

Simple Interest = Rs.3724

$10640 \times 5 \times x$

$\frac{100}{100} = 3724$

$\Rightarrow x = 7\text{years}$

#### Question 56

The Least Common Multiple and Highest Common Factor of two numbers are 60 and 4 respectively. If their sum is 32, then what will be the difference of these two numbers?

- A 4
- B 8
- C 12
- D 20

**Answer: B**

**Explanation:**

Let the two numbers be a and b.

Product of two numbers = Product of their LCM and HCF

Hence,  $ab = 4 \times 60 = 240$

Given,  $a + b = 32$

$$(a - b)^2 = (a + b)^2 - 4ab$$

$$= 32^2 - 4 \times 240 = 1024 - 960 = 64$$

$$(a - b) = 8$$

Hence, The difference between the two numbers = 8.

**Question 57**

After giving a discount of 20%, a shopkeeper earns 36% profit. Marked price is what percent more than the cost price?

- A 60%
- B 76%
- C 68%
- D 70%

**Answer: D**

**Explanation:**

Let the marked price be Rs.100

Discount = 20% of Rs.100 = Rs.20

Selling Price = Rs.100 - Rs.20 = Rs.80

Profit = 36%

$$\text{Then, Cost Price} = 80 \times \frac{100}{136} = \text{Rs. } 58.82$$

$$= \frac{80 \times 100}{136} = \frac{8000}{136} = 58.82$$

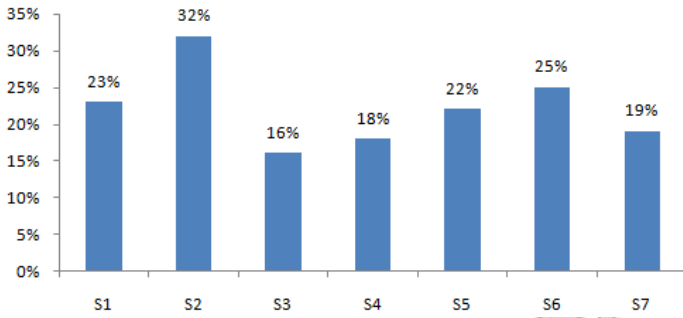
$$\text{Required percentage} = \frac{100 - 58.82}{58.82} \times 100 = 70\%$$

$$= \frac{700}{1000} \times 100 = 70\%$$

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**Question 58**

The bar chart given below shows the amount of sugar used in making 7 different varieties of sweets S1, S2, S3, S4, S5, S6 and S7 has been shown as a percentage of total weight of the sweet.



The total weight of sweet S3 is 450 kg. What is the amount of sugar used in sweet S3?

- A 72 kg
- B 35 kg
- C 25 kg
- D 31 kg

**Answer: A**

**Explanation:**

Total weight of sweet S3 = 450 kg

Percentage of sugar used in S3 = 16%

16

Therefore, Amount of sugar used in S3 = 16% of 450 =  $\frac{16}{100} \times 450 = 72kg$

**Question 59**

The perimeter of a square and a circle are same. If the area of the circle is  $2464 \text{ cm}^2$ , then what will be the area of the square?

- A  $1936 \text{ cm}^2$
- B  $2116 \text{ cm}^2$
- C  $1296 \text{ cm}^2$
- D  $1764 \text{ cm}^2$

**Answer: A**

**Explanation:**

Given, Area of circle =  $2464 \text{ cm}^2$

22

$7 \times r^2 = 2464$  where r = radius of circle

$\Rightarrow r^2 = 784$

$\Rightarrow r = 28 \text{ cm}$

22

Circumference of circle =  $2 \times 7 \times 28 = 176 \text{ cm}$

Circumference of circle = Perimeter of square = 176 cm

$4a = 176 \Rightarrow a = 44 \text{ cm}$ . where a = side of the square

Therefore, Area of the square =  $44^2 = 1936 \text{ cm}^2$

**Question 60**

Piyush is running at the speed of 8 km/hr and he stops for 5 minutes to take rest at the end of every third km. What will be the time taken by Piyush to cover a distance of 56 km?

- A 7 hr
- B 8 hr 20 minutes
- C 8 hr
- D 8 hr 30 minutes

**Answer: D**

**Explanation:**

Given, Distance = 56 km

He takes rest of 5 minutes after every 3 km. Hence, He takes rest every 5 minutes upto 54 km because he reaches destination after 2 km.

$$\text{Total rest time} = \frac{54}{3} \times 5 = 90 \text{ min}$$

$$\text{Speed of Piyush} = 8 \text{ km/hr}$$

$$\text{Time required to travel 56 km} = \frac{56}{8} = 7 \text{ hours}$$

Therefore, Total time required to travel 56 km = 7 hours + 1 hour 30 minutes = 8 hours 30 minutes

## SSC GD Important Questions and Answers PDF

**Question 61**

If cost price of an article is 30% less than the selling price of that article, then what will be the profit percentage?

- A 37.5%
- B 33.33%
- C 30%
- D 42.84%

**Answer: D**

**Explanation:**

Let Selling Price of the product be Rs.100

$$\text{Then, Cost Price} = \text{Rs.}100 - 30\% \text{ of Rs.}100 = \text{Rs.}100 - \text{Rs.}30 = \text{Rs.}70$$

$$\text{Profit percentage} = \frac{100 - 70}{70} \times 100 = \frac{70}{70} \times 100 = 42.84\%$$

**Question 62**

Height of right circular cylinder is 16 cm. If the diameter of its base is 3.5 cm, then what will be the volume of the cylinder?

- A  $308 \text{ cm}^3$
- B  $616 \text{ cm}^3$
- C  $176 \text{ cm}^3$
- D  $154 \text{ cm}^3$

**Answer: D**

**Explanation:**

Given, Height of the cylinder = 16 cm

3.5

Radius of the cylinder = 2 cm

22 3.5 3.5

Then, Volume of the cylinder =  $7 \times 2 \times 2 \times 16 = 11 \times 0.5 \times 3.5 \times 8$

=  $11 \times 3.5 \times 4 = 11 \times 14 = 154cm^2$

**Question 63**

Puneet goes to his office at the speed of 60 km/hr and returns to his home at the speed of 90 km/hr. What will be the average speed of Puneet for the whole journey?

A 20m/s

B 25m/s

C 72m/s

D 30m/s

**Answer: A**

**Explanation:**

Given, Onward speed = 60 km/hr

Return speed = 90 km/hr

$$2 \times 60 \times 90 = 10800$$

Average speed =  $\frac{60 + 90}{2} = 150 = 72km/hr$

5

$72km/hr = 72 \times \frac{5}{18} = 20m/sec$

**SSC GD Syllabus (Download PDF)**

**Question 64**

If A is 25% less than B, then what will be the value of  $\frac{(2B-A)}{A}$  ?

A  $\frac{5}{4}$

B  $\frac{3}{2}$

C  $\frac{3}{4}$

D  $\frac{5}{3}$

**Answer: D**

**Explanation:**

Let B be 100

Then A = 100 - 25% of 100 = 100 - 25 = 75

$$2B - A = 2 \times 100 - 75 = 200 - 75$$

$$A = 75 = 75$$

$$\frac{125}{75} = \frac{5}{3}$$

Question 65

A and B starts a business with investment of ₹ 28000 and ₹ 42000 respectively. A invests for 8 months and B invests for one year. If the total profit at the end of year is ₹ 21125, then what is the share of B?

- A ₹ 14625
- B ₹ 12625
- C ₹ 13575
- D ₹ 14285

Answer: A

Explanation:

Investment of A = Rs.28000

Duration of A = 8 months

Total investment of A = Rs.28000 × 8

Investment of B = Rs.42000

Duration of B = 12 months

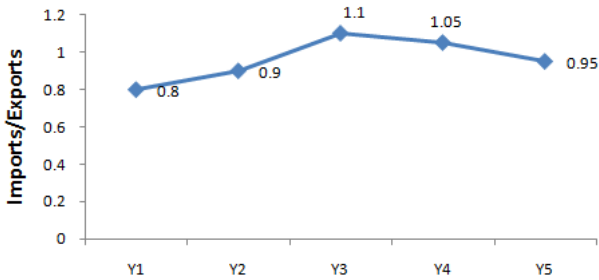
Total investment of B = Rs.42000 × 12

Ratio of profits = Ratio of investments =  $\frac{Rs.28000 \times 8}{63} : \frac{Rs.42000 \times 12}{63} = 28 : 63$

Therefore, Profit of B =  $\frac{28}{63} \times 21125 = 91 \times 21125 = Rs.14625$

Question 66

The line chart given below shows the ratio of imports to exports for a country for 5 consecutive years Y1, Y2, Y3, Y4 and Y5.



If the imports for year Y5 is ₹ 76000 crore, then what will be exports (in crores) for the year Y5?

- A ₹ 82000
- B ₹ 80000
- C ₹ 84000
- D ₹ 78000

Answer: B

Explanation:

95

Ratio of Imports to Exports of Y5 =  $0.95 = \frac{95}{100} = 95 : 100$

Let imports be Rs.95x and exports be Rs.100x

Given, 95x = Rs.76000 => x = Rs.800

Then, Exports = Rs.100x = Rs.100\*800 = Rs.80000

Question 67

What is the value of  $\left(\frac{4 \div 2 + 2 - \frac{1}{2} \times 4}{8 - 3 \div 4 + 6}\right)$ ?

A  $\frac{15}{16}$

B  $\frac{31}{16}$

C  $\frac{19}{16}$

D  $\frac{17}{16}$

Answer: B

Explanation:

Solving the numerator,

$$4 \div 2 + 2 - 2 \times 4$$

$$= 2 + 2 - 8$$

$$= 4 - 8 = -4$$

$$= \frac{-4}{8} = -\frac{1}{2}$$

Solving the denominator,

$$8 - 3 \div 4 + 6 = 8 - \frac{3}{4} + 6 = 2$$

$$\text{Therefore, } \left(\frac{4 \div 2 + 2 - 2 \times 4}{8 - 3 \div 4 + 6}\right) = \frac{-4}{2} = -2$$

Question 68

Sumit, Ravi and Puneet invest ₹ 45000, ₹ 81000 and ₹ 90000 respectively to start a business. At the end of the year the total profit is ₹ 4800. 30% of the total profit gives in charity and rest is divided among them. What will be the share of Sumit?

A ₹700

B ₹1260

C ₹1310

D ₹1400

Answer: A

Explanation:

Investment of Sumit = Rs.45000

Duration of Sumit = 1 year

Investment of Ravi = Rs.81000

Duration of Sumit = 1 year

Investment of Puneet = Rs.90000

Duration of Puneet = 1 year



Ratio of profits = Ratio of investments  
= 45000 : 81000 : 90000 = 5 : 9 : 10

Given, Total profit = Rs.4800

30% of total profit donated to charity

Amount donated to charity = 30% of Rs.4800 = Rs.1440

Remaining amount = Rs.4800-1440 = Rs.3360

Let the profits of Sumit, Ravi and Puneet be Rs.5x, Rs.9x and Rs.10x respectively.

Total profit = Rs.5x+9x+10x = Rs.24x

Given, 24x = 3360 => x = 140

Therefore, Profit of Sumit = 5x = 5\*140 = Rs.700

#### Question 69

A sum becomes 6 times of itself in 4 years at compound interest (interest is compounded annually). In how many years will the sum becomes 216 times of itself?

A 12

B 20

C 16

D 8

Answer: A

#### Explanation:

Let Principal be Rs.P

Let Rate of interest be R%

Time Period = 4 years

Amount after 4 years = Rs.6P

$R$

$$P(1 + 100)^4 = 6P$$

$R$

$$\Rightarrow (1 + 100)^4 = 6$$

$R$

$$\Rightarrow (1 + 100) = 6^{\frac{1}{4}} - (1)$$

Let the amount after T years be Rs.216P

$R$

$$P(1 + 100)^T = 216P$$

$R$

$$\Rightarrow (1 + 100)^T = 216$$

Substituting (1) in above equation

$$\Rightarrow (6^{\frac{1}{4}})^T = 6^3$$

$$\Rightarrow 6^{\frac{T}{4}} = 6^3$$

$T$

$$\Rightarrow 4 = 3$$

$$\Rightarrow T = 12$$

Therefore, In 12 years, the given sum becomes 216 times of itself.

SSC CPO Previous Question papers (download pdf)

**Question 70**

A alone can make a chair in 40 days and B alone can make the same chair in 24 days. If A and B are working on alternate days and A work on the first day, then in how many days the chair will be completed?

- A 34 days
- B 32 days
- C 28 days
- D 30 days

**Answer: D**

**Explanation:**

Let the total work be 120 units(LCM of 40 and 24)

Efficiency of A =  $120/40 = 3$  units per day

Efficiency of B =  $120/24 = 5$  units per day

They work on alternate days starting with A

Then, 8 units will be completed in 2 days.

$$120 \times 2$$

Therefore, 120 units will be completed in  $\frac{120 \times 2}{8} = 30$  days

**Question 71**

The average of 35, 39, 41, 46, 27 and x is 38. What is the value of x?

- A 44
- B 40
- C 38
- D 42

**Answer: B**

**Explanation:**

$$\text{Given, } \frac{35 + 39 + 41 + 46 + 27 + x}{6} = 38$$

$$\Rightarrow \frac{188 + x}{6} = 38$$

$$\Rightarrow 188 + x = 228$$

Therefore,  $x = 40$

Question 72

The data given below shows the number of people who have saved a certain amount of money.

Savings (in ₹)	Number of people
5	1
15	3
20	4
25	2
30	1
35	1
40	2

What is the median of the given data?

- A ₹ 17.5
- B ₹ 25
- C ₹ 22.5
- D ₹ 20

Answer: D

Explanation:

Re-writing the given data in the form of a series

Number of people who save Rs.5 = 1 → 5

Number of people who save Rs.15 = 3 → 15,15,15

Number of people who save Rs.20 = 4 → 20,20,20,20

Similarly, Writing all the numbers in the form of series

5,15,15,15,20,20,20,20,25,25,30,35,40,40

Here, The middle values are 20,20

$$20 + 20 = 40$$

$$\text{Median} = \frac{40}{2} = 20$$

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Question 73

The average of six numbers  $N_1, N_2, N_3, N_4, N_5$  and  $N_6$  is A. 5 is subtracted from each number. What is the new average?

- A A - 30
- B A - 10
- C A - 6
- D A - 5

Answer: D

Explanation:

$$N_1 + N_2 + N_3 + N_4 + N_5 + N_6$$

Given,  $\frac{\quad}{6} = A$

$$\Rightarrow N_1 + N_2 + N_3 + N_4 + N_5 + N_6 = 6A - (1)$$

$$N_1 - 5 + N_2 - 5 + N_3 - 5 + N_4 - 5 + N_5 - 5 + N_6 - 5 = \frac{N_1 + N_2 + N_3 + N_4 + N_5 + N_6 - 30}{6}$$

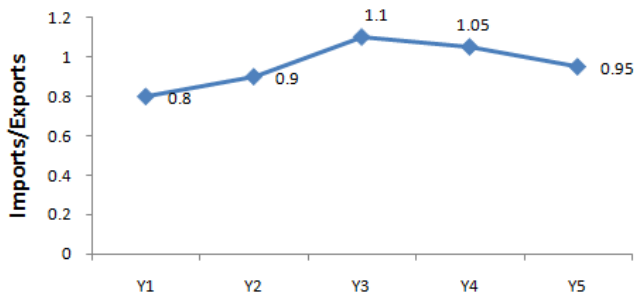
Then,

Substituting (1),

$$6A - 30 = A - 5$$

**Question 74**

The line chart given below shows the ratio of imports to exports for a country for 5 consecutive years Y1, Y2, Y3, Y4 and Y5.



Which of the following statement is true?

- A Exports for year Y3 are more than the exports for year Y2.
- B Imports for year Y3 are maximum for the given 5 years.
- C Data is Insufficient.
- D Imports for year Y1 are least for the given 5 years.

**Answer: C**

**Explanation:**

Since the values of imports or exports of each year is not given, data is insufficient.

**Question 75**

What is the value of  $6\frac{1}{2} + 80 \div 40 - \frac{30}{7}$  of  $(5 - \frac{1}{3})$ ?

- A  $-\frac{21}{2}$
- B  $-\frac{17}{2}$
- C  $-\frac{23}{2}$
- D  $-\frac{13}{19}$

**Answer: C**

**Explanation:**

$$6\frac{1}{2} + 80 \div 40 - \frac{30}{7} \text{ of } (5 - \frac{1}{3}) = 2 + \frac{80}{40} - \frac{30}{7} \times \frac{14}{3}$$

$$= 2 + 2 - 20 = 2 - 18$$

$$= \frac{13 - 36}{2} = \frac{-23}{2}$$

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## English

### Instructions

For the following questions answer them individually

### Question 76

Identify the segment in the sentence which contains the grammatical error from the given options.

The road was blocked since it was in repair.

- A since it was
- B in repair
- C was blocked
- D The road

Answer: B

## SSC CHSL Previous Papers (DOWNLOAD PDF)

### Question 77

Select the most appropriate synonym of the given word.

FOYER

- A Kitchen
- B Verandah
- C Bedroom
- D Lobby

Answer: D

### Question 78

Select the word which means the same as the group of words given.

A short speech at the end of a play

- A Eulogy
- B Prologue
- C Epilogue
- D Chorus

Answer: C

### Question 79

Select the correctly spelt word.

- A Embarrasment
- B Embarrassment

C Embarrassment

D Embarassment

Answer: C

## SSC Stenographer Previous Papers (Download PDF)

### Instructions

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given.

Passage:

There is some truth in the common saying that while dogs become attached to persons, cats are generally (1)..... to places. A dog will follow his master anywhere, but a cat keeps to the (2)..... it is used to; and even (3)..... the house changes hand, the cat will remain there, so long as it is treated (4)..... by the new owners. A cat does not seem to be capable of (5)..... often shown by a dog. It thinks most of its own comfort.

### Question 80

Fill in blank (1) with the most appropriate option.

A fond

B attached

C held

D stuck

Answer: B

### Question 81

Fill in blank (2) with the most appropriate option.

A owner

B lady

C master

D house

Answer: D

### Question 82

Fill in blank (3) with the most appropriate option.

A when

B whenever

C then

D where

Answer: A

**Question 83**

Fill in blank (4) with the most appropriate option.

- A badly
- B kindly
- C softly
- D harshly

**Answer: B**

**Question 84**

Fill in blank (5) with the most appropriate option.

- A loyalty
- B keenness
- C kindness
- D hatred

**Answer: A**

**Instructions**

For the following questions answer them individually

**Question 85**

Identify the segment in the sentence which contains the grammatical error from the given options.  
They visited the Qutub Minar, which is most attractive spot in Delhi.

- A attractive spot
- B which is most
- C They visited
- D in Delhi

**Answer: B**

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

**Question 86**

Select the most appropriate word to fill in the blank.  
The ..... of the museum showed us some ancient coins.

- A controller
- B conservator
- C collector
- D curator

**Answer: D**

**Question 87**

Select the correctly spelt word.

- A Hierarchy
- B Hierarky
- C Hierarchy
- D Hirarchy

**Answer: C**

**Question 88**

Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select **No improvement**.

The movie Uri tells the story of a surgical strike by the Indian army towards militants in POK.

- A for militants in POK
- B No improvement.
- C against militants in POK
- D over militants at POK

**Answer: C**

## SSC GD Constable Previous Papers (DOWNLOAD PDF)

**Question 89**

Fill in the blanks with the most appropriate words.

..... taught you such lessons as these?

- A What
- B Which
- C Whom
- D Who

**Answer: D**

**Question 90**

Select the most appropriate word to fill in the blank.

They showed her the greatest .....

- A spraise
- B tribute
- C honour
- D respect

**Answer: D**



**Question 91**

Select the most appropriate meaning of the given idiom.

**Cutting corners**

- A Spending too much money
- B Saving money
- C Making money
- D Lending money

**Answer: B**

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**Question 92**

Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select **No improvement**.

The questions are so simple that a child can understand it.

- A can understand them
- B No improvement.
- C is understanding them
- D can understand this

**Answer: A**

**Question 93**

Select the most appropriate synonym of the given word.

**FRUITFUL**

- A Useless
- B Productive
- C Barren
- D Juicy

**Answer: B**

**Question 94**

Select the most appropriate antonym of the given word.

**LENIENT**

- A Generous
- B Helpful
- C Strict
- D Defensive

**Answer: C**

## SSC CGL Free Mock Test (Latest Pattern)

### Question 95

Identify the segment in the sentence which contains the grammatical error from the given options.  
She complained about her weak eyes and lamented about the necessity from spectacles.

- A lamented about
- B from spectacles
- C She complained
- D her weak eyes

Answer: B

### Question 96

Select the most appropriate meaning of the given idiom.  
A blessing in disguise

- A A hidden misfortune
- B An apparent fortune
- C An apparent blessing
- D A hidden favour

Answer: D

### Question 97

Select the most appropriate antonym of the given word.  
CONVEX

- A Opaque
- B Dense
- C Concave
- D Transparent

Answer: C

## SSC CHSL Free Mock Test (Latest Pattern)

### Question 98

Select the word which means the same as the group of words given.  
A song written in the praise of God

- A Hymn
- B Elegy
- C Ode

D Epic

Answer: A

Question 99

Fill in the blanks with the most appropriate words.  
Shakespeare ..... this play.

A write

B is writing

C has been writing

D wrote

Answer: D

Question 100

Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select No improvement.

The furniture in this room are old and need to be replaced.

A No improvement.

B is old and needs

C is old and need

D are old and needing

Answer: B

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