



## SSC MTS 5th August 2019 Shift-2

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**Instructions**

For the following questions answer them individually

**Question 1**

Select the most appropriate synonym of the given word.

**Accountable**

- A Blameless
- B Answerable
- C Slack
- D Unreliable

**Answer: B**

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

**Question 2**

Select the most appropriate option to fill in the blank.

The wonderful performance of the maestro left the audience \_\_\_\_\_.

- A puzzled
- B entranced
- C hungry
- D sleepy

**Answer: B**

**Question 3**

Choose the most appropriate word that can substitute the given group of words.

Full of criticism and mockery

- A Praise
- B Satire
- C Cliche
- D Eulogy

**Answer: B**

**Question 4**

Select the most appropriate synonym of the given word.

**Lavish**

- A Bountiful
- B Scarce
- C Austere

D Simple

Answer: A

## SSC Stenographer Previous Papers (Download PDF)

Question 5

Select the most appropriate option to fill in the blank.

The little puppy was \_\_\_\_\_ by a speeding car.

A run into

B run away

C run over

D run at

Answer: C

Question 6

Choose the most appropriate word that can substitute the given group of words.

Group of singers

A Choir

B Jury

C Council

D Orchestra

Answer: A

Question 7

Select the most appropriate antonym of the given word.

Goodwill

A Felicity

B Insanity

C Facility

D Hostility

Answer: D

## SSC GD Constable Previous Papers

Question 8

Choose the correctly spelt word.

A Equipped

B Exceed

C Emphasize

D Allert

Answer: A

**Question 9**

Select the most appropriate option to fill in the blank.  
I congratulated him \_\_\_\_\_ his promotion.

A to

B because of

C on

D due to

Answer: C

**Question 10**

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 terrorist was arrested for the first time in December, 2001.

A for first timing

B for one times

C No Improvement

D in the first time

Answer: C

## SSC MTS Previous Papers (DOWNLOAD PDF)

**Question 11**

Select the most appropriate meaning of the given idiom.

**Come to light**

A To pry a secret

B To be known publicly

C To be well lit-up

D To be obscure

Answer: B

**Question 12**

Select the most appropriate option to fill in the blank.

Teachers would like \_\_\_\_\_ a long holiday.

A having been

B have

C having for

D to have

Answer: D

**Question 13**

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.

Applications are invite to eligible candidates for the post of Vice Principal in a reputed school.

A No Improvement

B invited by

C inviting from

D invited from

Answer: D

## SSC CGL 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. Select the most appropriate option for each blank.

**Comprehension:**

Obesity is a condition where the body stores excess fat leading to a considerable 1.\_\_\_\_ in the body weight. It is increasing 2.\_\_\_\_ a fast pace in our country. It has 3.\_\_\_\_ adverse health effects and can even 4.\_\_\_\_ to pre-mature death. The basic cause of obesity is 5.\_\_\_\_ imbalance between energy intake and energy expenditure.

**Question 14**

Select the most appropriate option for blank No. 1.

A decline

B raise

C decrease

D increase

Answer: D

**Question 15**

Select the most appropriate option for blank No. 2.

A on

B by

C at

D with

Answer: C

**Question 16**

Select the most appropriate option for blank No. 3.

- A little
- B much
- C many
- D few

**Answer: C**

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

**Question 17**

Select the most appropriate option for blank No. 4.

- A lead
- B start
- C point
- D take

**Answer: A**

**Question 18**

Select the most appropriate option for blank No. 5.

- A a
- B the
- C one
- D no

**Answer: B**

**Instructions**

For the following questions answer them individually

**Question 19**

Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.  
The do ctor with his interns are due to arrive here by noon. /No error

- A interns are due
- B to arrive here by noon
- C No error
- D The doctor with his

**Answer: A**

## SSC CHSL Free Mock Test (Latest Pattern)

### Question 20

Choose the correctly spelt word.

- A Dilemma
- B Dilema
- C Dielema
- D Dillema

Answer: A

### Question 21

Select the most appropriate meaning of the given idiom.

**Above one's head**

- A Overhead expenses
- B Intimate and personal
- C To be very tall
- D Beyond one's understanding

Answer: D

### Instructions

Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.

### Question 22

**Mukhe rjee is a famous politician who is love by most people. /No error**

- A Mukherjee is a
- B famous politician who
- C is love by most people
- D No error

Answer: C

## SSC Stenographer Previous Papers (Latest Pattern)

### Question 23

**The pe ople in my office are smarter than other offices. /No error**

- A my office are
- B No error
- C The people in
- D smarter than other offices

Answer: D

**Instructions**

For the following questions answer them individually

**Question 24**

Select the most appropriate antonym of the given word.

Hidden

- A Covered
- B Apparent
- C Veiled
- D Concealed

Answer: B

**Question 25**

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.

If he would tried he would have succeeded.

- A had tried
- B is tried
- C No Improvement
- D was tried

Answer: A

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

### Reasoning

**Instructions**

For the following questions answer them individually

**Question 26**

Study the given pattern carefully and select the number that can replace the question mark(?) in it.

3	4	9	17
7	2	5	15
6	8	3	?

- A 16
- B 20
- C 18
- D 28

Answer: C

Explanation:



1st row :  $3 + 4 + 9 = 16 + 1 = 17$

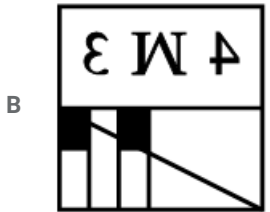
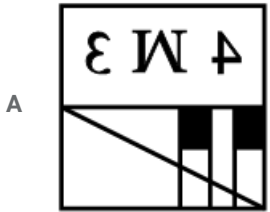
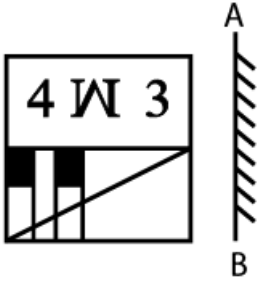
2nd row :  $7 + 2 + 5 = 14 + 1 = 15$

3rd row :  $6 + 8 + 3 = 17 + 1 = 18$

## SSC MTS Free Mock Test (Latest Pattern)

### Question 27

Select the correct mirror image of the given figure when the mirror is placed at line AB.



Answer: A

### Question 28

In a certain code language, 'ROGER' is written as '5' and 'MOULDS' is written as '6'. What will be the code for 'PIN' in that code language?

A 2

B 8

C 3

D 4

Answer: C

**Explanation:**

'ROGER' is written as '5' there are 5 letters in the word thus it is coded as 5

'MOULDS' is written as '6' there are 6 letters in the word thus it is coded as 6.

Same way PIN coded as 3 there are 3 letters in the word

**Question 29**

Select the number that can replace the question mark (?) in the following series.

37, 33, 29, 25, ?

A 22

B 20

C 19

D 21

Answer: D

**Explanation:**

37, 33, 29, 25, ?

$37 - 4 = 33$

$33 - 4 = 29$

$29 - 4 = 25$

$25 - 4 = 21$

37, 33, 29, 25, 21

## SSC CPO Free Mock Test (Latest Pattern)

**Question 30**

Which two signs need to be interchanged to make the following equation correct?

$$14 \times 16 \div 8 + 2 - 1 = 17$$

A  $-$  and  $\div$

B  $+$  and  $\times$

C  $+$  and  $\div$

D  $\times$  and  $-$

Answer: B

**Explanation:**

$$14 + 16 \div 8 \times 2 - 1 = 17$$

$$14 + 2 \times 2 - 1 = 17$$

$$18 - 1 = 17$$

Question 31

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

I. All T are M.

II. No T is P.

Conclusions:

I. No P is M.

II. Some M are T.

A None of the conclusions follows.

B Only conclusion I follows.

C Both conclusions I and II follow.

D Only conclusion II follows.

Answer: D

Question 32

Six chairs labelled J, K, P, R, S and T are kept one above the other (not necessarily in the same order). R is above only P and S. There are four chairs between J and S. K is three places above P. If we arrange these chairs in alphabetical order from top to bottom, then the position of how many chairs (excluding J) will be changed?

A 1

B 2

C 3

D 0

Answer: C

Explanation:

6	J	J
5	K	K
4	T	P
3	R	R
2	P	S
1	S	T

Position of 3 chairs changed

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Question 33

Select the figure that will come next in the following series.

L R V J N T	V L T R J N	T V N L R J	N T J V L R	?
-------------------	-------------------	-------------------	-------------------	---

A

N J R T V L
-------------------

B

J N R T V L
-------------------

C

R J N T V L
-------------------

D

J R N T V L
-------------------

Answer: B

Question 34

Select the letter-cluster that can replace the question mark (?) in the following series.

RAB, TDG, VGL, ?, ZMV

A XJQ

B YKR

C XKQ

D YLR

Answer: A

Explanation:

RAB, TDG, VGL, ?, ZMV

First letter of the each word + 2 gives the consequent first letter of the next term

Second letter of the each word + 3 gives the consequent second letter of the next term

Third letter of the each word + 5 gives the consequent third letter of the next term

RAB, TDG, VGL, XJQ, ZMV

**Question 35**

In a certain code language, 'EMPTYD' is written as 'CJNQWA'. What will be the code for 'VACANT' in that code language?

- A UYAMYR
- B TXBXLQ
- C UYBYMR
- D TXAXLQ

**Answer: D**

**Explanation:**

VACANT coded as TXAXLQ

Place value of V - 2 = 20 place value of T

Place value of A - 3 = 24 place value of X

Place value of C - 2 = 1 place value of A

Place value of A - 3 = 24 place value of X

Place value of N - 2 = 12 place value of L

Place value of T - 3 = 17 place value of Q

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**Question 36**

Select the number that can replace the question mark (?) in the following series.

72, 69, 64, ?, 48

- A 55
- B 54
- C 59
- D 57

**Answer: D**

**Explanation:**

72, 69, 64, ?, 48

$72 - 3 = 69$

$69 - 5 = 64$

$64 - 7 = 57$

$57 - 9 = 48$

**Question 37**

If + is interchanged with -, then what will be the value of the following equation?

$72 - 91 \div 13 \times 12 + 6 = ?$

- A 150

- B 156
- C 144
- D 140

**Answer: A**

**Explanation:**

$$72 + 91 \div 13 \times 12 - 6$$

$$72 + 7 \times 12 - 6$$

$$72 + 84 - 6 = 150$$

**Question 38**

Select the option that is related to the third letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster.

**RAT : UXW :: TOG : ?**

- A XMD
- B XLC
- C WLJ
- D WLC

**Answer: C**

**Explanation:**

RAT : UXW

**R A T : U X W**  
**18 1 20 21 24 23**

Place value of R + 3 = 21 place value of U

Place value of A - 3 = 24 place value of X

Place value of T + 3 = 23 place value of W

Same way

TOG : WLG

**T O G : W L J**  
**20 15 7 23 12 10**

Place value of T + 3 = 23 place value of W

Place value of O - 3 = 12 place value of L

Place value of G + 3 = 10 place value of J

**SSC Exam Free Videos (Youtube)**

Question 39

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

- I. Some bikes are cars.
- II. Some cars are trucks.

Conclusions:

- I. Some trucks are bikes.
- II. No bike is a truck.

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

Answer: B

Question 40

Five girls, D, L, N, O and Q, are sitting in a row facing towards the south (not necessarily in the same order). L is second to the right of O. Q is to the immediate right of D. Two girls are between Q and N. How many girls are sitting to the right of D?

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

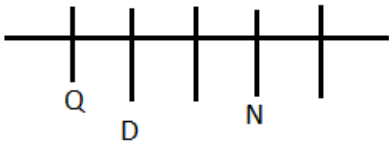
Answer: B

Explanation:

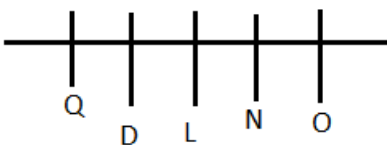
Step 1 : Two girls are between Q and N



Step 2 : Q is to the immediate right of D.



Step 3 : L is second to the right of O.



Only 1 girl is sitting to the right of D

**Question 41**

Select the word pair in which the two words are related in the same way as the two words in the following word-pair.

**Stale : Fresh**

- A Create : Bat
- B Hot : Sun
- C Deep : Hard
- D Final : Initial

**Answer: D**

**Explanation:**

Stale : Fresh

Stale means no longer fresh that is opposite of fresh

Same way Final : Initial

Final is the antonym of the word Initial

**SSC Study Material**

**Question 42**

Six persons, L, M, N, P, Q and R, are sitting in a row facing towards the north (not necessarily in the same order). There are three persons between P and M. P is not at any of the ends. There are three persons between L and Q. N is to the left of R. L is at one of the ends. M is to the right of P. How many person are sitting to the left of N?

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

**Answer: C**

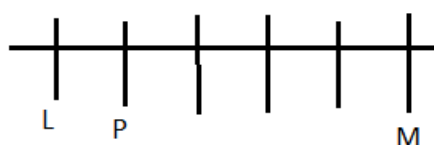
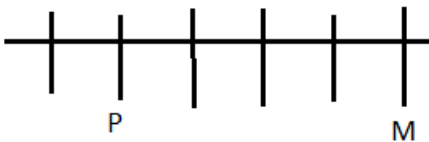
**Explanation:**

Step 1 : There are three persons between P and M. P is not at any of the ends.M is to the right of P.

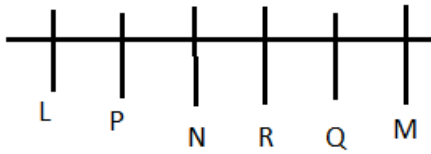
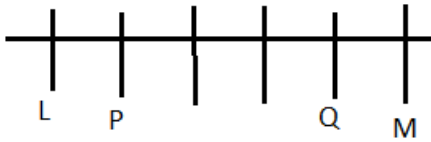
Step 2 : L is at one of the ends.

Step 3 : There are three persons between L and Q

Step 4 : N is to the left of R.







Thus 2 persons are sitting to the left of N

**Question 43**

In a certain code language, 'ALERT' is written as '11251820' and 'HERD' is written as '85184'. What will be the code for 'CLOTH' in that code language?

- A 31512207
- B 31215218
- C 31215208
- D 38152014

Answer: C

**Explanation:**

Each word coded with its place value

ALERT coded as 11251820

Place value of A = 1

Place value of L = 12

Place value of E = 5

Place value of R = 18

Place value of T = 20

Same way CLOTH coded as 31215208

Place value of C = 3

Place value of L = 12

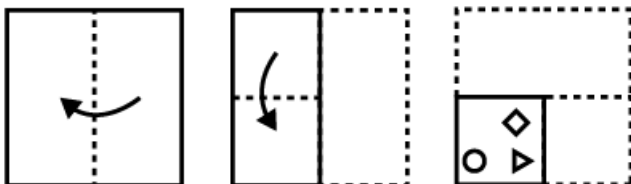
Place value of O = 15

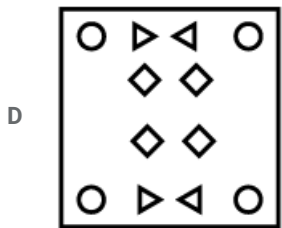
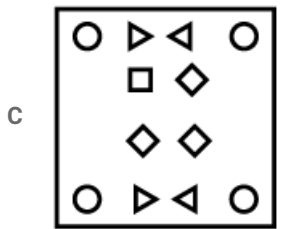
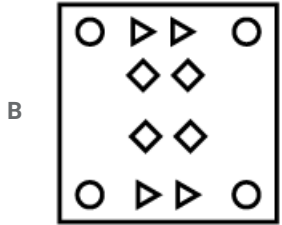
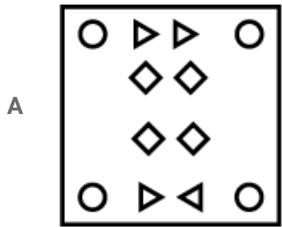
Place value of T = 20

Place value of H = 8

**Question 44**

The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figure. How would this paper look when unfolded?



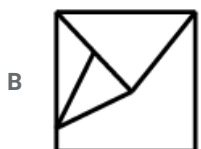


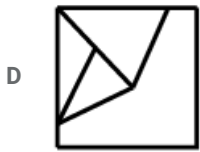
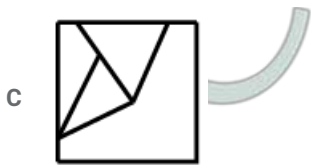
Answer: D

### SSC Daily Practice Set

Question 45

Study the given pattern carefully and select the figure that will complete the pattern given in the question figure?





Answer: D

Question 46

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

Touch : Push :: Speak : ?

- A Shout
- B Crime
- C Sad
- D Error

Answer: A

Explanation:

Touch : Push

Touch is gently tap something and push we applying a force both are related

Speak : ?

By speaking in a loud voice leads to shout

Thus

Touch : Push :: Speak : Loud

Question 47

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

101 : 10202 :: 107 : ?

- A 12449
- B 12550
- C 11450
- D 11447

Answer: C

Explanation:

101 : 10202

$$101^2 + 1 = 10201 + 1 = 10202$$

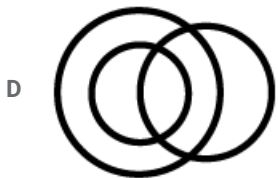
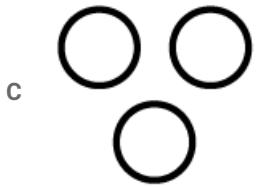
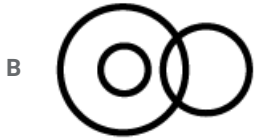
107 : ?

$$107^2 + 1 = 11449 + 1 = 11450$$

101 : 10202 :: 107 : 11450

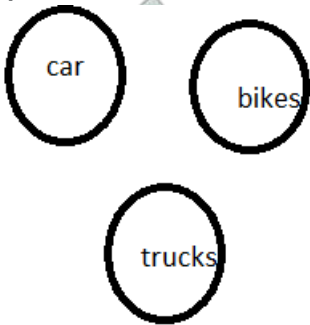
Question 48

Identify the diagram that best represents the relationship between the given classes.  
Cars, Bikes, Trucks



Answer: C

Explanation:

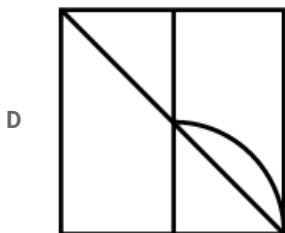
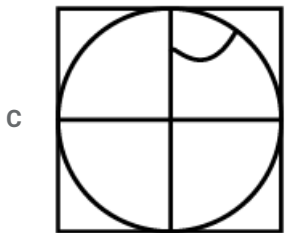
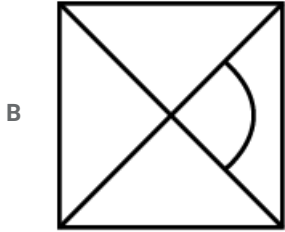
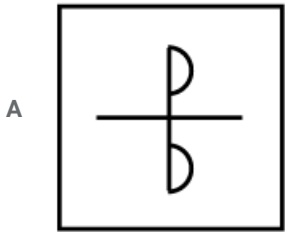


on the basis of the question we know that car bikes and trucks are different vehicles so does not belong to any group  
so no relationship between car, bikes and trucks . hence option C

Question 49

Select the option in which the given figure is embedded.





Answer: A

**Question 50**

In a certain code language, 'PAPER' is written as 'UFUJW'. What will be the code for 'MOURN' in that code language?

- A SUBXT
- B RTAWS
- C RTZWS
- D SUAXT

Answer: C

**Explanation:**

Word PAPER coded in a way that place value of each letter of the word plus five gives the place value of corresponding letter of the coded word

16 1 16 5 18  
P A P E R

U F U J W

21 6 21 10 23

Same way MOURN can be coded as RTZWS

13 15 21 18 14  
M O U R N

R T Z W S  
18 20 26 23 19

## SSC GK Questions

### Quant

#### Instructions

For the following questions answer them individually

#### Question 51

The length of a cuboid is twice its breadth and its height is half of its breadth. If the height of the cuboid is 2 cm, then what is the edge of a cube having the same volume as that of the cuboid?

- A 8 cm
- B 4 cm
- C 6.4 cm
- D 7.2 cm

Answer: B

#### Explanation:

Volume of cuboid =  $l b h$

$l$  = length

$b$  = breadth

$h$  = height

Volume of cube side  $a = a^3$

height of the cuboid = 2 cm

height is half of its breadth,  $h = \frac{b}{2}$

$$2 = \frac{b}{2}$$

$$b = 4 \text{ cm}$$

length of a cuboid is twice its breadth,  $l = 2b$

$$= 2 \times 4 = 8$$

Volume of cuboid =  $l b h = 8 \times 4 \times 2 = 64$

Volume of cuboid = volume of cube

$$64 = a^3$$

$$a = 4$$

Current Affairs Question and Answers (Download PDF)

**Question 52**

The ratio of marketed price to selling price of an article is 12 : 7. What is the discount percentage?

- A 41.67
- B 37.5
- C 39.33
- D 42.33

**Answer:** A

**Explanation:**

Marked price (MP), Selling price (SP)

Assume that MP = 1200

$$SP = 700$$

$$\begin{aligned} \text{Discount\%} &= \frac{MP - SP}{MP} \times 100 \\ &= \frac{500}{1200} \times 100 \\ &= 41.67\% \end{aligned}$$

**Question 53**

A is the smallest three digit number which when divided by 3, 4 and 5 leaves remainders 1, 2 and 3 respectively. What is the sum of the digits of A?

- A 6
- B 11
- C 10
- D 8

**Answer:** C

**Question 54**

The diameter of a solid hemisphere is 35 cm. What is its total surface area?

(Take  $\pi = \frac{22}{7}$ )

- A  $3163 \text{ cm}^2$
- B  $2198.5 \text{ cm}^2$
- C  $2887.5 \text{ cm}^2$
- D  $2981 \text{ cm}^2$

**Answer:** C

**Explanation:**

Total surface area (TSA) of the hemisphere =  $3\pi r^2$

(Take  $\pi = \frac{22}{7}$ )

Diameter = 35

Radius =  $\frac{35}{2}$

$$\begin{aligned} \text{TSA} &= 3 \times \frac{22}{7} \times \frac{35}{2} \times \frac{35}{2} \\ &= \frac{3 \times 11 \times 5 \times 35}{2} \\ &= 2887.5 \end{aligned}$$

## Daily and Monthly Current Affairs (Download PDF)

### Question 55

A sum of money is invested at compound interest, which is compounded annually. The sum grows to ₹1000 after three years, and ₹1100 after four years. What is the rate of interest per annum?

- A 15%
- B 12.5%
- C 10%
- D 20%

Answer: C

### Question 56

There are 150 students in a school. If the ratio of number of boys to girls is 4 : 1, then what is the mean proportional between the number of boys and girls in the school?

- A 60
- B 30
- C 50
- D 40

Answer: A

### Explanation:

Total students = 150

Ratio of boys to girls = 4 : 1

that is  $5 = 150$

$$1 = \frac{150}{5} = 30$$

Number of boys =  $30 \times 4 = 120$

Number of girls =  $30 \times 1 = 30$

Mean proportional between two numbers is the square root of the product of the two numbers

$$\text{Mean proportional of 120 and 30} = \sqrt{(120 \times 30)} = \sqrt{(3600)} = 60$$

### Question 57

If  $A = 7 \times 3 \div (2 + 4) + 4 - 2$ ,  $B = 3 \div 6 \times 4 + 2 - 2$  of 3 and  $C = 6 \div 2 + 4 \times 3 - 2$ . What is the value of  $(A + B - C)$  ?

- A  $-\frac{16}{3}$
- B  $\frac{16}{3}$



C  $\frac{19}{2}$

D  $\frac{-19}{2}$

Answer: D

Explanation:

$$A = 7 \times 3 \div (2 + 4) + 4 - 2$$

$$= 7 \times 3 \div 6 + 4 - 2$$

$$= 7 \times \frac{1}{2} + 4 - 2$$

$$= \frac{7}{2} + 2$$

$$= \frac{11}{2}$$

$$B = 3 \div 6 \times 4 + 2 - 2 \text{ of } 3$$

$$= 3 \div 6 \times 4 + 2 - 6$$

$$= \frac{1}{2} \times 4 + 2 - 6$$

$$= -2$$

$$C = 6 \div 2 + 4 \times 3 - 2$$

$$= 3 + 4 \times 3 - 2$$

$$= 3 + 12 - 2$$

$$= 13$$

$$(A + B - C) = \frac{11}{2} - 2 + 13 = \frac{-19}{2}$$

## SSC CHSL Previous Papers (DOWNLOAD PDF)

Question 58

Pipe A can completely fill an empty tank in 11 hours. Pipe B can empty the same completely filled tank in 15 hours. If they are opened together, in how much time the empty tank will get filled?

A 49 hours 45 minutes

B 41 hours 15 minutes

C 39 hours 15 minutes

D 47 hours 30 minutes

Answer: B

Question 59

The radius of a sphere is equal to the radius of the base as well as the height of a right circular cylinder. What is the ratio of surface area of sphere and curved surface area of cylinder?

A 2:3

B 1:2

C 1:1

D 2:1

Answer: D

**Explanation:**

$$\text{Value of } \pi = \frac{22}{7}$$

$$\text{Surface area of sphere} = 4 \times \frac{22}{7} \times r^2$$

$$\text{Curved surface area of cylinder} = 2 \times \frac{22}{7} \times r \times h$$

Radius of sphere = r

Radius of base of cylinder = r

Height of the cylinder = r

ratio of surface area of sphere and curved surface area of cylinder,

$$= 4 \times \frac{22}{7} \times r^2 : 2 \times \frac{22}{7} \times r \times r$$

$$= 4 : 2$$

$$= 2 : 1$$

**Question 60**

Side of a square is first increased by 10% and then decreased by 20%. What is the overall percentage change in area?

A Increase by 18.24%

B Decrease by 22.56%

C Decrease by 18.24%

D Increase by 22.56%

**Answer: B**

**Explanation:**

Let the side of the square be 100

side increased by 10%

$$\begin{aligned} \text{then } S_1 &= 100 + \left(\frac{10}{100} \times 100\right) \\ &= 110 \end{aligned}$$

The resultant side then decreased by 20%

$$\begin{aligned} S_2 &= 110 - \left(\frac{20}{100} \times 110\right) \\ &= 88 \end{aligned}$$

$$\begin{aligned} A_1 &= S_1^2 \\ &= 12100 \end{aligned}$$

$$\begin{aligned} A_2 &= S_2^2 \\ &= 7744 \end{aligned}$$

$A_2 < A_1$ . That means the area is decreased from initially. Hence the change will also be a decrease.

$$\begin{aligned} \text{overall percentage change in area} &= \frac{10000 - 7744}{10000} \times 100 \\ &= 22.56\% \end{aligned}$$

## SSC Stenographer Previous Papers (Download PDF)

**Question 61**

A alone can do a piece of work in 10 days. A and B together can do the same piece of work in  $\frac{20}{3}$  days. A, B and C together can do the same piece of work in  $\frac{40}{7}$  days. In how many days can B and C together do the same piece of work?

- A  $\frac{44}{3}$
- B  $\frac{40}{3}$
- C  $\frac{44}{7}$
- D  $\frac{20}{3}$

Answer: B

**Question 62**

A train crosses a 900 metres long platform in 300 seconds. If the length of train is 600 metres. then in how much time does it cross a stationary pole?

- A 2 minutes
- B 5 minutes
- C 4 minutes
- D 3 minutes

Answer: A

**Explanation:**

$$\text{Speed} = \frac{\text{Distance}}{\text{Time}}$$

train crosses a 900 metres long platform in 300 seconds.

length of train is 600 metres.

Total distance = length of the train + length of the platform

$$= 900 + 600 = 1500$$

$$\text{Speed} = \frac{1500}{300} = 5m/s$$

$$\text{To cross a stationary pole Time} = \frac{\text{Distance}}{\text{Speed}}$$

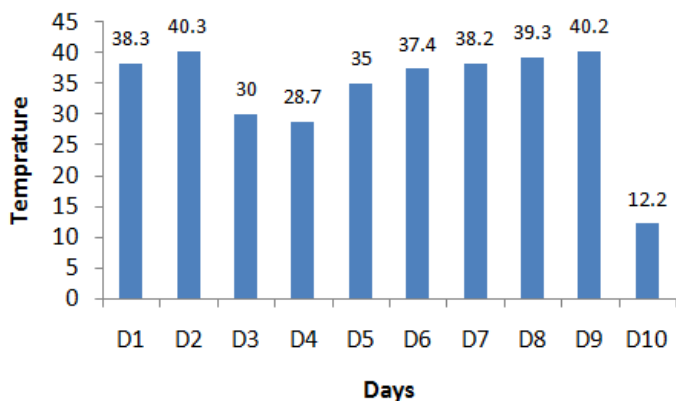
substituting,

$$\text{Time} = \frac{600}{5} = 120s$$

$$120 \text{ seconds} = \frac{120}{60} = 2 \text{ minutes}$$

**Question 63**

The Bar graph given below presents the maximum temperature (in °C) of a city for 10 different days spread over several months.



What is the average maximum temperature of the city per day for the given ten days?

- A 44.96° C
- B 32.96° C
- C 33.96° C
- D 35.96° C

**Answer: C**

**Explanation:**

$$\begin{aligned} \text{average maximum temperature of the city per day for the given ten days} &= \frac{38.3+40.3+30.0+28.7+35.0+37.4+38.2+39.3+40.2+12.2}{10} \\ &= \frac{339.6}{10} = 33.96 \end{aligned}$$

## SSC GD Constable Previous Papers

**Question 64**

A travels a certain distance with three different speeds; first 3 km with a speed of 9 km/h, second 6 km with a speed of 15 km/h, and third 9 km with a speed of 18 km/h. What is the average speed of A for the whole journey?

- A  $\frac{480}{37}$  km/h
- B  $\frac{540}{37}$  km/h
- C  $\frac{460}{37}$  km/h
- D  $\frac{660}{37}$  km/h

**Answer: B**

**Explanation:**

A travels a certain distance with three different speeds S1, S2, S3 three different times T1, T2, T3 and covers different distance D1, D2, D3

$$\text{Average speed} = \frac{\text{Total distance}}{\text{Total time}}$$

$$T1 = \frac{3}{9} = \frac{1}{3}$$

$$T2 = \frac{6}{15} = \frac{2}{5}$$

$$T3 = \frac{9}{18} = \frac{1}{2}$$

$$\text{Total time} = T1 + T2 + T3 = \frac{37}{30}$$

$$\text{Total distance} = D1 + D2 + D3 = 3 + 6 + 9 = 18$$

Substituting,

$$\text{Average speed} = \frac{18}{\frac{37}{30}}$$

$$= \frac{540}{37}$$

**Question 65**

In 60 litres mixture of milk and water the ratio of volumes of milk and water is 3 : 2. If we want the ratio of the volumes of milk and water to be 1 : 1, then how much water should be added to the mixture?

- A 16 litres
- B 14 litres

C 12 litres

D 10 litres

**Answer: C**

**Explanation:**

In 60 litres mixture of milk and water the ratio of volumes of milk and water is  $3x : 2x$

$$5x = 60$$

$$x = \frac{60}{5}$$

$$x = 12$$

$$\text{therefore milk} = 3 \times 12 = 36$$

$$\text{water} = 2 \times 12 = 24$$

If we want the ratio of the volumes of milk and water to be  $1 : 1$  then we have to add 12 lt water

that is,  $12 + 24 = 36$

volumes of milk and water =  $36 : 36$

$$= 1 : 1$$

**Question 66**

A sold an article for ₹1495 at a profit of 15%. He purchased another article having cost price equal to the previous article. He sold this new article at a profit of 10%. How much total profit has A earned?

A ₹450

B ₹375

C ₹425

D ₹325

**Answer: D**

**Explanation:**

Cost price(CP), Selling price(SP), Profit(P)

A sold an 1st article for ₹1495 at a profit of 15%.

$$\text{SP of 1st article} = 1495$$

$$P\% = 15\%$$

$$P\% = \frac{SP - CP}{CP} \times 100$$

Substituting,

$$\frac{15}{100} = \frac{1495 - CP}{CP}$$

On solving,  $CP = 1300$

A purchased 2nd article having cost price equal to the 1st article.

$$CP = 1300$$

$$P\% = 10\%$$

$$P\% = \frac{SP - CP}{CP} \times 100$$

Substituting,

$$\frac{10}{100} = \frac{SP - 1300}{1300}$$

On solving,  $SP = 1430$

$$\text{Total CP} = 1300 + 1300 = 2600$$

$$\text{Total SP} = 1495 + 1430 = 2925$$

$$\text{Total P} = 2925 - 2600 = 325$$

## SSC MTS Previous Papers (DOWNLOAD PDF)

### Question 67

What is the mode of the given data?

4, 3, 4, 3, 2, 2, 2, 5, 5, 3, 4, 6, 4, 3, 3

A 3

B 2

C 5

D 4

Answer: A

#### Explanation:

The mode of a data set is the number that occurs most frequent in the set

To find the mode :

Step 1: arrange numbers in ascending order

2, 2, 2, 3, 3, 3, 3, 3, 4, 4, 4, 4, 5, 5, 6

Step 2 : count how many times each number occurs

2 three times

3 five times

4 four times

5 two times

6 one time

Step 3 : The number that occurs the most is the mode

3 is the mode

### Question 68

The average age of a group of 36 students is 23 years. Four students with average age 22 years leave the group. What is the average age in years (correct up to one decimal place) of the new group?

A 24.5

B 24.4

C 23.8

D 23.1

Answer: D

#### Explanation:

$$\text{Total age of 36 students} = 36 \times 23 = 828$$

$$\text{Total age of 4 students} = 4 \times 22 = 88$$

When 4 students leave the group remaining 32 students

$$\text{average age of 32 students} = \frac{828 - 88}{32} = 23.1$$

**Question 69**

Average of a, b and c is 9. Average of b and c is 10. What is the value of a?

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

**Answer:** C

**Explanation:**

Average of a, b, c = 9

Average of b, c = 10

$$\frac{a+b+c}{3} = 9$$

$$a + b + c = 27$$

$$\frac{b+c}{2} = 10$$

$$b + c = 20$$

$$a + 20 = 27$$

$$a = 7$$

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

**Question 70**

What is the value of

$$36 \div 8 \times 4 + 2 \div 4 - 1 + 5 \text{ of } 3 \div (4 \times 2 - 3) - 3?$$

- A  $\frac{31}{2}$
- B 18
- C  $\frac{35}{2}$
- D 16

**Answer:** C

**Explanation:**

$$36 \div 8 \times 4 + 2 \div 4 - 1 + 5 \text{ of } 3 \div (4 \times 2 - 3) - 3$$

$$= 36 \div 8 \times 4 + 2 \div 4 - 1 + 5 \text{ of } 3 \div 5 - 3$$

$$= 36 \div 8 \times 4 + 2 \div 4 - 1 + 15 \div 5 - 3$$

$$= \frac{9}{2} \times 4 + \frac{1}{2} - 1 + 3 - 3$$

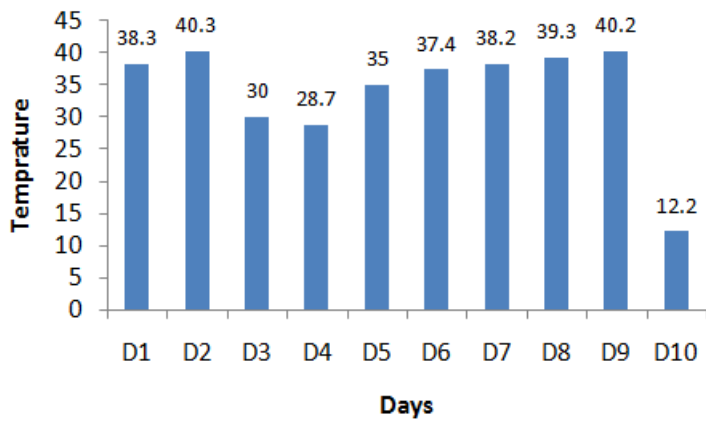
$$= 18 + \frac{1}{2} - 1 + 3 - 3$$

$$= 18 + \frac{1}{2} + 3 - 4$$

$$= \frac{35}{2}$$

**Instructions**

The Bar graph given below presents the maximum temperature (in °C) of a city for 10 different days spread over several months.



**Question 71**

what is the difference (in degree Celsius) between the highest and the lowest recorded maximum temperatures from the data given for the ten days?

- A 28.1
- B 28.0
- C 26.1
- D 27.1

**Answer: A**

**Explanation:**

Highest temperature recorded on D2 = 40.3

Lowest temperature recorded on D10 = 12.2

Difference = 40.3 - 12.2 = 28.1

**Question 72**

The temperature on D5 is how much percentage more than the temperature on D3?

- A 16.67%
- B 23.01%
- C 21.07%
- D 24.57%

**Answer: A**

**Explanation:**

Temperature on D3 = 30

Temperature on D5 = 35

$$\begin{aligned} \text{\% Increase in temperature on D3} &= \frac{35-30}{30} \times 100 \\ &= 16.67\% \end{aligned}$$

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

**Instructions**

For the following questions answer them individually



**Question 73**

If  $x : y : z = 3 : 4 : 5$  and  $x + y + z = 96$ , then what is the value of  $z$ ?

A 32

B 42

C 36

D 40

**Answer: D**

**Explanation:**

$$x : y : z = 3 : 4 : 5$$

$$x = 3p$$

$$y = 4p$$

$$z = 5p$$

$$x + y + z = 12p$$

$$\text{Given } 12p = 96$$

$$\text{therefore, } p = \frac{96}{12}$$

$$= 8$$

$$z = 5 \times 8 = 40$$

**Question 74**

The sum of ₹500 becomes ₹600 in 2 years at certain rate of simple interest. If the rate of interest is halved, then what amount will ₹500 give in 2 years?

A ₹500

B ₹520

C ₹550

D ₹560

**Answer: C**

**Explanation:**

Sum of 500 becomes 600 in 2 years

$$\text{therefore simple interest} = 600 - 500 = 100$$

Formula for simple interest (SI)

$$I = \frac{PNR}{100}$$

P = principle amount = 500

N = time period = 2 years

R = rate of interest

I = simple interest = 100

Substituting,

$$100 = \frac{500 \times 2 \times R}{100}$$

solving R = 10%

If the rate of interest is halved then R = 5%

$$I = \frac{500 \times 2 \times 5}{100}$$

$$I = 50$$

Amount = Principle + Interest

$$= 500 + 50$$

$$= 550$$

#### Question 75

The cost prices of articles A and B are ₹1200 and ₹1600 respectively. The selling price of article A is ₹1380 and the total profit on selling both the articles is 25%. What is the profit percentage on selling of article B?

A 29.5

B 27.5

C 35.5

D 32.5

**Answer: D**

#### Explanation:

cost price (CP), selling price(SP), profit(P)

CP of A = 1200

CP of B = 1600

Total CP = 1200 + 1600 = 2800

SP of A = 1380

SP of B assume as 'x'

Total SP = 1380 + x

Total profit on selling both the articles is 25% =  $\frac{25}{100} = \frac{1}{4}$

$$p\% = \frac{SP-CP}{CP} \times 100$$

Substituting values,

$$\frac{1}{4} = \frac{1380+x-2800}{2800}$$

On solving we get x = 2120

SP of B = 2120

Therefore P% on selling article B =  $\frac{2120-1600}{1600} \times 100$

$$= \frac{520}{1600} \times 100$$

$$= 32.5$$

## SSC CHSL Free Mock Test (Latest Pattern)

### General knowledge

#### Instructions

For the following questions answer them individually

#### Question 76

The SI unit of power of lens is:

A Diopetre

- B kWh
- C Joule
- D Watt

Answer: A

## SSC Stenographer Previous Papers (Latest Pattern)

### Question 77

R. Pragganandhaa relates to which game?

- A Tennis
- B Golf
- C Chess
- D Badminton

Answer: C

### Question 78

According to 2011 census which of the following state has the largest rural population?

- A Madhya Pradesh
- B Punjab
- C Uttar Pradesh
- D Maharashtra

Answer: C

### Question 79

Which of the following was the first fort by English East India Company in India?

- A Fort William
- B Fort St. George
- C Sewri Fort
- D Masulipatnam

Answer: B

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

### Question 80

Which of the following is a secondary pollutant?

- A Carbon monoxide
- B Carbon dioxide

- C Smog
- D Fly Ash

**Answer: C**

**Question 81**

**Autotrophic mode of nutrition requires:**

- A Carbon dioxide, Water, Chlorophyll and Sunlight
- B Carbon monoxide and Water
- C Chlorophyll and Oxygen
- D Methane

**Answer: A**

**Question 82**

**Which of the following newspapers was edited by Dadabhai Naoroji?**

- A Samvad Kaumudi
- B Shom Prakash
- C Rast Goftar
- D Mahratta

**Answer: C**

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

**Question 83**

**The launch vehicle of Mars Orbiter Mission was:**

- A PSLV C-46
- B PSLV C-45
- C PSLV C-25
- D PSLV C-42

**Answer: C**

**Question 84**

**Which of the following is NOT matched correctly?**

- A Mohiniattam - Odisha
- B Garba - Gujarat
- C Yakshagana - Karnataka
- D Kuchipudi - Andhra Pradesh

Answer: A

Question 85

Which of the following is NOT a factor of production?

- A Tax
- B Land
- C Labour
- D Capital

Answer: A

## SSC CPO Free Mock Test (Latest Pattern)

Question 86

The \_\_\_\_\_ is vested with the responsibility of conducting monetary policy.

- A Central Government
- B SEBI
- C Different Banks
- D Reserve Bank of India

Answer: D

Question 87

Who won men's singles title at the 2019 Australian Open?

- A Roger Federar
- B Andy Murray
- C Rafael Nadal
- D Novak Djokovic

Answer: D

Question 88

The book 'Every child matters' is written by:

- A Arun Shauri
- B Kailash Satyarthi
- C Chetan Bhagat
- D Jawaharlal Nehru

Answer: B

## SSC MTS Free Preparation App

### Question 89

Who is the Slovakia's first female President?

- A Betty Miller
- B Valentina Tereshkova
- C Zuzana Caputova
- D Jerrie Mock

**Answer: C**

### Question 90

Congregational Singing of 'Shabad' is related to:

- A Buddha Purnima
- B Muharram
- C Mahavir Jayanti
- D Guru Purab

**Answer: D**

### Question 91

Who is the Femina Miss India 2019?

- A Suman Rao
- B Anukrati Vas
- C Shreya Shankar
- D Manushi Chillar

**Answer: A**

## 285 SSC Mocks - Just RS. 249

### Question 92

As of June 2019, who is the Minister of Jal Shakti?

- A Gajendra Singh Shekhawat
- B Mahendra Nath Pandey
- C Mukhtar Abbas Naqvi
- D Prakash Javadekar

**Answer: A**

**Question 93**

**Maand folk music related to which state?**

- A Uttar Pradesh
- B Madhya Pradesh
- C Rajasthan
- D Manipur

**Answer: C**

**Question 94**

**How many times President has declared National emergency in India?**

- A Two times
- B Three times
- C Only once
- D Four times

**Answer: B**

**SSC Exam Free Videos (Youtube)**

**Question 95**

**The invention of crescograph is associated to which of the following scientists of India?**

- A Meghnad Saha
- B Jagdishchandra Bose
- C Homi J Bhabha
- D Satyendranath Bose

**Answer: B**

**Question 96**

**Which of the following state of India has the longest coastline?**

- A Gujarat
- B Maharashtra
- C Kerala
- D Odisha

**Answer: A**

**Question 97**

**The National Diamond Institute is located at:**

- A Gandhinagar
- B Vadodara
- C Vapi
- D Surat

Answer: D

## SSC Study Material

### Question 98

With reference to the National movement in India, when was the Poona Pact signed?

- A 1933
- B 1922
- C 1923
- D 1932

Answer: D

### Question 99

Which of the following rivers is NOT an east flowing river?

- A Vamsadhara
- B Subarnarekha
- C Vaigai
- D Mahi

Answer: D

### Question 100

Which of the following statements about the Lok Sabha is NOT correct?

- A The Union Council of Ministers is collectively responsible to the Lok Sabha
- B If the question arises whether a bill is a money bill or not, the decision of the leader of the opposition shall be final
- C No-confidence motion against the Council of Ministers can only be moved in Lok Sabha
- D A money bill can be introduced only in the Lok Sabha

Answer: B

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