



## SSC MTS 8th August 2019 Shift-1

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**Instructions**

For the following questions answer them individually

**Question 1**

Choose the most appropriate word that can substitute the given group of words.  
Something which lasts forever

- A Eternal
- B Temporal
- C Annual
- D Peripheral

**Answer: A**

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

**Question 2**

Select the most appropriate antonym of the given word.  
Progress

- A Advancement
- B Growth
- C Betterment
- D Decline

**Answer: D**

**Question 3**

Select the most appropriate option to fill in the blank.  
The accident occurred in the \_\_\_\_\_ of the road.

- A way
- B middle
- C side
- D path

**Answer: B**

**Question 4**

Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.  
She ran so fastly that I could not overtake her. /No error

- A She ran so fastly
- B not overtake her
- C No error

D that I could

Answer: A

## SSC Stenographer Previous Papers (Download PDF)

### Question 5

Choose the correctly spelt word.

A Obbstacle

B Obctacle

C Obstacal

D Obstacle

Answer: D

### Question 6

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 city have not receive much rains for a week now.

A have not received

B has not received

C No Improvement

D has not receive

Answer: B

### Question 7

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

Medicine given to counteract a poison.

A Antibiotic

B Antiseptic

C Antigen

D Antidote

Answer: D

## SSC GD Constable Previous Papers

### 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:

The Ashoka pillars are a series of columns (1)\_\_\_\_\_ in northern India by King Ashoka (2)\_\_\_\_\_ his reign in the 3rd century BCE. (3)\_\_\_\_\_ pillars are inscribed with edicts by the Mauryan king. At an average (4)\_\_\_\_\_ 50 feet in height and weighing up to 50 tons each, (5)\_\_\_\_\_ 19 pillars survive today.

**Question 8**

Select the most appropriate option for blank No. 1.

- A erected
- B located
- C developed
- D created

**Answer: A**

**Question 9**

Select the most appropriate option for blank No. 2.

- A across
- B through
- C along
- D during

**Answer: D**

**Question 10**

Select the most appropriate option for blank No. 3.

- A These
- B That
- C This
- D Those

**Answer: A**

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

**Question 11**

Select the most appropriate option for blank No. 4.

- A by
- B at
- C of
- D on

**Answer: C**

**Question 12**

Select the most appropriate option for blank No. 5.

- A only
- B any
- C also
- D even

**Answer: A**

**Instructions**

For the following questions answer them individually

**Question 13**

Select the most appropriate synonym of the given word.

**Exceptional**

- A Extraordinary
- B Usual
- C Mundane
- D Common

**Answer: A**

[SSC CGL Previous Papers \(DOWNLOAD PDF\)](#)

**Question 14**

Choose the correctly spelt word.

- A Philosophy
- B Phelosophy
- C Philosophie
- D Filosophy

**Answer: A**

**Question 15**

Select the most appropriate option to fill in the blank.

This is one of the \_\_\_\_ remarkable cases I have handled.

- A more
- B most
- C much more
- D much

**Answer: B**

**Question 16**

Select the most appropriate synonym of the given word.

**Brisk**

- A Frugal
- B Languid
- C Quick
- D Sluggish

**Answer: C**

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

**Question 17**

Select the most appropriate meaning of the given idiom.

**Cup of tea**

- A Something that pleases one
- B A feeling of elation
- C A useless search
- D Something refreshing

**Answer: A**

**Question 18**

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

**The more he earned the more he want to earn. /No error**

- A the more he
- B No error
- C want to earn
- D The more he earned

**Answer: C**

**Question 19**

Select the most appropriate antonym of the given word.

**Crooked**

- A Curved
- B Straight
- C Spiral
- D Bent

**Answer: B**

## SSC CHSL Free Mock Test (Latest Pattern)

### Instructions

Select the most appropriate option to fill in the blank.

### Question 20

\_\_\_\_\_ rivers have water throughout the year.

- A Ephemeral
- B Perennial
- C Seasonal
- D Chronic

Answer: B

### Question 21

Our salaries \_\_\_\_\_ increased over the years.

- A have
- B are
- C has
- D is

Answer: A

### Instructions

For the following questions answer them individually

### Question 22

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.

Eight people were injured after a tempo rammed into a car on the highway.

- A rammed with
- B rammed by
- C rams in
- D No Improvement

Answer: C

## SSC Stenographer Previous Papers (Latest Pattern)

### Question 23

Select the most appropriate meaning of the given idiom.

On the tip of my tongue

- A Feeling extremely joyful

- B Readily available in my memory
- C Excessively costly
- D At full speed

Answer: B

#### Question 24

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.

Until you remains calm, you cannot concentrate.

- A Unless you remains
- B Unless you remain
- C No Improvement
- D If you remain

Answer: B

#### Question 25

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

I know that he wanted to go home earliest. /No error

- A go home earliest
- B I know that
- C No error
- D he wanted to

Answer: A

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

### Reasoning

#### Instructions

For the following questions answer them individually

#### Question 26

Five subjects S1, S2, S3, S4 and S5 (not necessarily in the same order) are to be taught from Monday to Friday. One subject will be taught on one day. Only S5 is taught before S1. S2 is taught before S4. S2 will not be taught on Wednesday. Which of the following pair of subjects is taught after S3?

- A S4, S1
- B S2, S5
- C S1, S2
- D S2, S4

Answer: D



**Explanation:**

From the given statement only S5 will be taught before S1, hence only one possibility is there to put S5 on Monday and S1 on Tuesday and S2 will not be taught on Wednesday but before S4 so only one possibility is there to put S4 on Friday and S2 on Thursday. Hence the remaining place is occupied by S3 on Wednesday. So, the sequence will follow like this;

MONDAY	S5
TUESDAY	S1
WEDNESDAY	S3
THURSDAY	S2
FRIDAY	S4

Hence, S2 and S4 is taught after S3, so the correct option is (d)

## SSC MTS Free Mock Test (Latest Pattern)

**Question 27**

By interchanging which two signs the equation will be correct?

$$11 + 16 \times 12 \div 4 - 2 = 21$$

- A  $\times$  and  $-$
- B  $-$  and  $+$
- C  $\div$  and  $+$
- D  $\div$  and  $\times$

**Answer: A**

**Explanation:**

Given,  $11 + 16 \times 12 \div 4 - 2 = 21$

These type of questions can be quickly solved by checking options.

So, from the options we get option A would be correct.

On solving,  $11 + 16 - 12 \div 4 \times 2$

$$\Rightarrow 27 - 6 = 21.$$

**Question 28**

In a certain code language, 'PRISON' is written as '659210', 'SCAMP' is written as '23476'. What is the code for 'CROPS' in that code language?

- A 35762
- B 35462
- C 35160
- D 35162

**Answer: D**

**Explanation:**

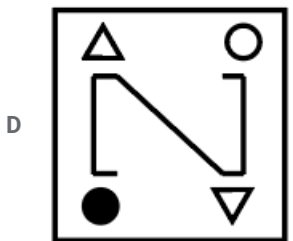
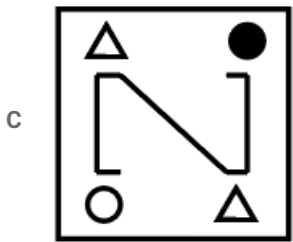
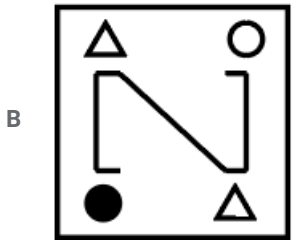
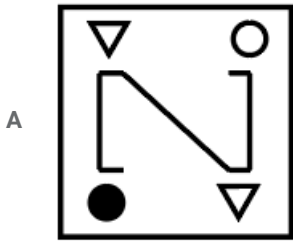
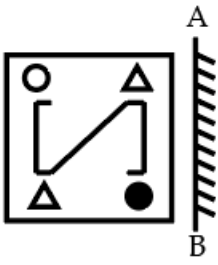
From the given question we get the code of different alphabets, i.e. for PRISON; P=6, R=5, I=9, S=2, O=1, N=0

Similarly, SCAMP; S=2, C=3, A=4, M=7, P=6.

Hence for CROPS, we get, 35162

Question 29

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



Answer: B

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

Question 30

Six tailors T1, T2, T3, T4, T5 and T6 are sitting around a circular table facing towards the centre (Not necessarily in the same order). T2 is second to the right of T1. T5 is to the immediate right of T3. T3 and T4 are facing towards each other. Three of the four given options follows a same logic. Which of the following does not follow that logic?

A T2, T3

B T4, T6

C T1, T3

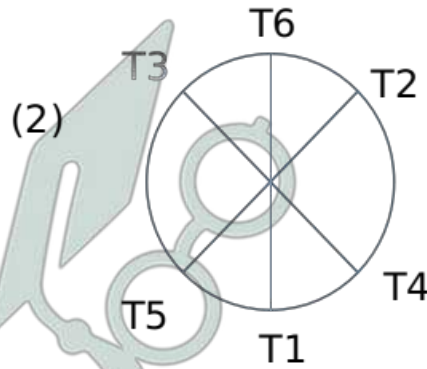
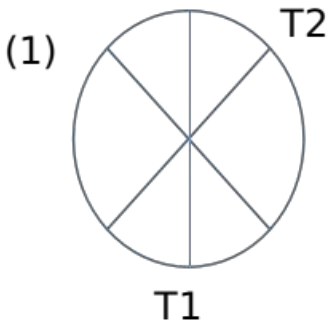
D T6, T5

Answer: C

**Explanation:**

From the given statements, T2 is second to the right of T1, so we can place T1 and T2 accordingly anywhere in the arrangement. Fig.1 depicts the arrangement.

Now, T3 and T4 are facing each other so only two places are vacant which are opposite to each other and also T5 is to immediate right of T3 so, we can not place T3 in between T2 and T1 as T2 has already occupied the space.. Hence, the figure 2 depicts the final arrangement.



From the given options we conclude that T1 and T3 does not meet the logic as T3 is second to the right of T1 not second to the left as in the other options.

Hence, option C is correct.

**Question 31**

In the following question, select the number which can be placed at the sign of question mark (?) from the given alternatives.

9 11 7 24  
17 6 4 24  
12 12 9 ?

A 23

B 24

C 27

D 31

Answer: D

**Question 32**

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

Litre : Volume :: Hectare : ?

A Area

B Time

C Mass

D Force

Answer: A

**Explanation:**

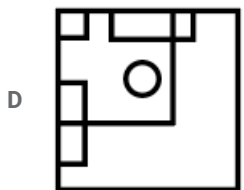
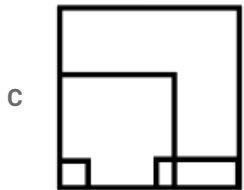
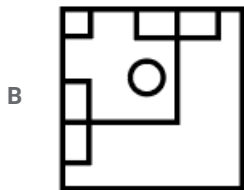
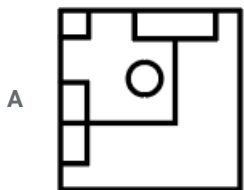
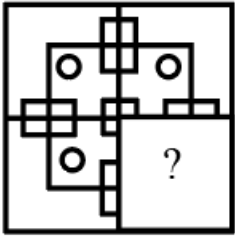
The given analogy refers to the measurement of units. i.e. Litre is a measurement of Volume of any liquid, hence here Hectare is the unit of measurement of Area.

So, option (a) is correct here.

## SSC MTS Free Preparation App

### Question 33

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



Answer: B

### Question 34

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.

TOL : WRO :: GRA : ?

A JUC

B JVF

C JUD

D JVE

Answer: C

**Explanation:**

In the given series analogy it follows the next to next term of alphabets. i.e. T - W

Hence the correct option is JUD here.

**Question 35**

In a certain code language, 'STABLE' is written as 'TVDFQK'. What is the code for 'COWARD' in that code language?

A DQZEWJ

B DRZEWJ

C ERAFXU

D ERBFXV

Answer: A

**Explanation:**

The given word is replaced by addition of a consecutive terms i.e. S is replaced by T then T is replaced by V (addition of 2) and so on.

Hence, COWARD will be replaced by DOZEWJ

**285 SSC Mocks - Just RS. 249**

**Question 36**

By interchanging which two signs the equation will be correct?

$$13 - 9 \times 2 \div 3 + 16 = 3$$

A  $-$  and  $\times$

B  $-$  and  $+$

C  $\times$  and  $-$

D  $-$  and  $\div$

Answer: B

**Explanation:**

For solving these type of questions we can go through the options.

From option B we can see that by interchanging  $-$ ,  $+$  sign we can get the answer as follows:

$$13 + 9 \times 2 \div 3 - 16 = 13 + 18 \div 3 - 16$$

$$\Rightarrow 19 - 16 = 3.$$

**Question 37**

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

31, 17, 48, 65, 113, ?

A 174

B 162

C 168

D 178

Answer: D

**Explanation:**

From the given series we get the next term by adding the consecutive terms of the series.

$$31 + 17 = 48$$

$$48 + 17 = 65$$

$$65 + 48 = 113$$

$$113 + 65 = 178.$$

option (d) is correct.

**Question 38**

Select the number-pair in which the two numbers are related in the same way as the two numbers in the following number-pair.

18 : 57 :: ?

A 26 : 75

B 24 : 70

C 14 : 43

D 28 : 87

Answer: D

**Explanation:**

The given analogy follows  $18 \times 3 + 3 = 57$

Hence, from the given options we get  $28 \times 3 + 3 = 87$ .

option (d) is correct.

## SSC Exam Free Videos (Youtube)

**Question 39**

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

AMD, CLF, EKH, ?, IIL

A GJL

B HJJ

C HJK

D GJJ

Answer: D

**Explanation:**

In the given series the first term of all words are following its next to next term. i.e. A, C, E, G, I

The second term of all words are preceding its previous terms i.e. M, L, K, J, I

The third term of all the words are changed to its next to next term i.e. D, F, H, J, L

Hence, the next word will be GJJ.

**Question 40**

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

Crockery : Cup :: Garment : ?

- A Rat
- B Shopkeeper
- C Shop
- D Trouser



Answer: D

**Explanation:**

From the given analogy we know that Cup is included in Crockery. Trouser is also included in Garment.

Hence option (d) is correct.

**Question 41**

In the following question, select the figure which can be placed at the sign of question mark (?) from the given alternatives.

K    R	Я    L	L    T	?	K    R
T    L	K    L	R    K		T    L

A

T    K
L    Я

B

L    K
L    Я

C

T    K
L    R

D

L    K
L    Я

Answer: D

## SSC Study Material

**Question 42**

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

14, 17, 22, 29, 40, ?

- A 59
- B 53



C 63

D 57

Answer: B

**Explanation:**

The given series is following addition of the prime numbers. i.e.

$$14+3=17$$

$$17+5=22$$

$$22+7=29$$

$$29+11=40$$

$$40+13=53.$$

Hence 53 will be the next term.

**Question 43**

In the following question below are given some statements followed by some conclusions based on those statements. Taking the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusion logically follows the given statements.

**Statements:**

I. Some J are T.

II. No T is V.

**Conclusions:**

I. Some V are J.

II. All J are T.

A Neither conclusion follow

B Both conclusion I and II follows

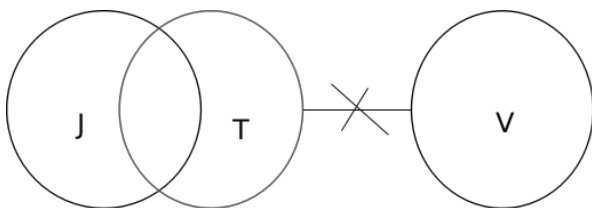
C Only conclusion II follows

D Only conclusion I follows

Answer: A

**Explanation:**

The venn diagram is as follows:



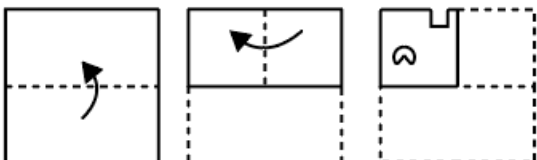
From the above venn diagram we can not say either some V are J or not. So, the first conclusion will not be follow.

In the given statement it is given that some J are T so it will contradict the second conclusion. Hence, it is also not correct.

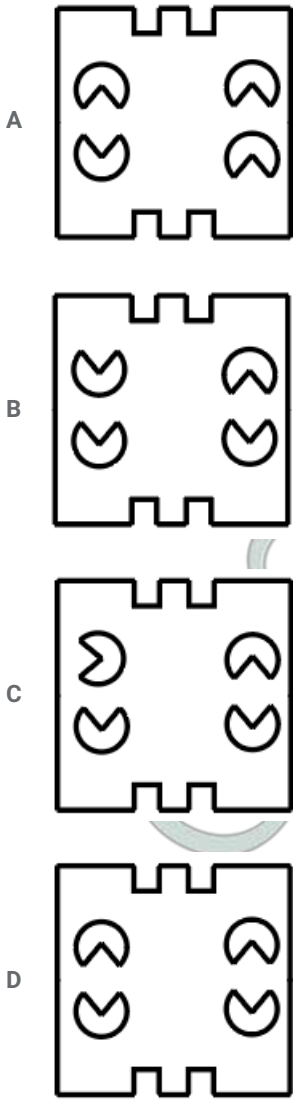
So, both conclusion are wrong.

**Question 44**

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

## SSC Daily Practice Set

### Question 45

In the following question below are given some statements followed by some conclusions based on those statements. Taking the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusion logically follows the given statements.

Statements:

I. All K are B.

II. No T is K.

Conclusions:

I. No K is T.

II. Some B are K.

III. Some T are B.

A Both conclusion I and II follows

B Only conclusion III follows

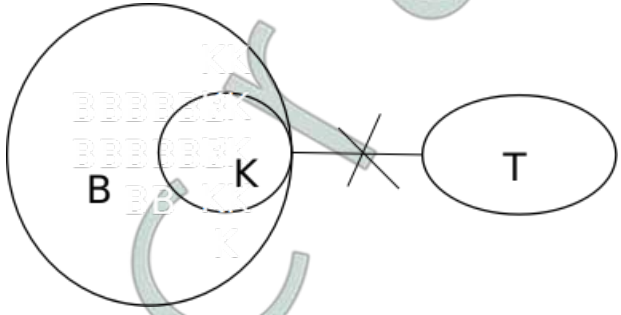
C Neither conclusion follow

D Both conclusion II and III follows

Answer: A

**Explanation:**

The venn digram is as follows:



From the venn diagram we get,  
No K is T is correct and some B are K is correct but we can not find whether some T are B or not.  
So,only conclusions i and ii will follow.

**Question 46**

In a certain code language, 'RODENT' is written as 'PJAZKN'. What is the code for 'CURTAN' in that code language?

- A KXPNQY
- B JVPNQY
- C KWPNQY
- D JWPNQY

**Answer:** D

**Explanation:**

The given code follows the replacement of its previous digits at a gap of three alphabets from right to left. i.e. R is replaced by N ; O is replaced by K. and so on.

Hence, code for CURTAIN is JWPNQY

**Question 47**

Identify the Venn diagram that best represents the relationship between the given classes.  
Sister, Aunt, Uncle

- A
- B
- C
- D

Answer: C

## SSC GK Free Tests

### Question 48

In a certain code language, 'COW' is written as '41', 'PIG' is written as '32'. What is the code for 'CUP' in that code language?

- A 44
- B 38
- C 40
- D 30

Answer: C

#### Explanation:

The given code follows the addition of corresponding numbers of the alphabets. i.e.

In COW ; C =3; O = 15; W= 23.

so,  $3 + 15 + 23 = 41$

Similarly, PIG ; P= 16; I=9; G=7

so,  $16 + 9 + 7 = 32$

Similarly, CUP will be coded as C=3; U=21; P=16;

CUP = 40.

### Question 49

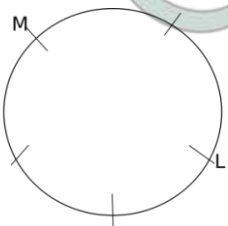
Five advocate G, N, M, L and A are sitting around a circular table facing towards the centre (not necessarily in the same order). A is sitting between G and L. M is second to the right of L. G is towards the immediate left of A. Who is sitting second to the left of A?

- A M
- B G
- C L
- D N

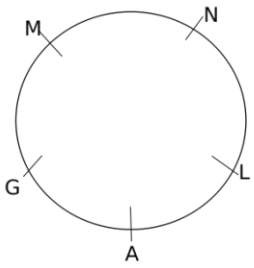
Answer: A

#### Explanation:

From the given statement M sits second to the right of L. So, we can place M and L anywhere accordingly in this arrangement.



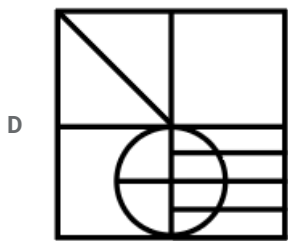
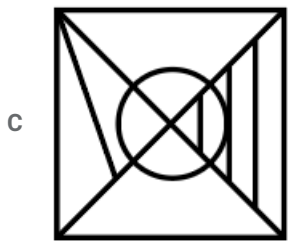
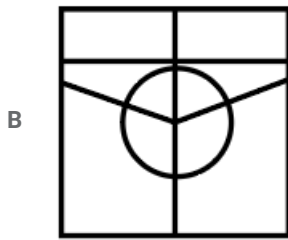
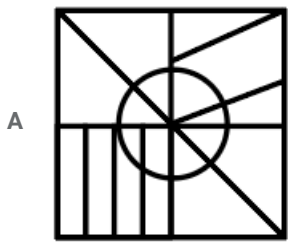
Now, A sits between G and L and also G is immediate left of A, so, the following arrangement will be done finally.



Hence, M is sitting second left of A.

**Question 50**

From the given answer figures, select the one in which the question figure is hidden/embedded. (Rotation not allowed)



Answer: B

**SSC GK Questions**

**Quant**

**Instructions**

For the following questions answer them individually

**Question 51**

The difference in selling prices of an article when sold at 15% profit and 17% loss is ₹96. If it is sold at 10% profit, then what is the selling price?

- A ₹345
- B ₹360
- C ₹315
- D ₹330

**Answer: D**

**Explanation:**

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

Here, For the profit of 15% ,SP = 115% of CP

Similarly, for loss of 17% ,SP = 83% of CP

Hence, Difference in both SP is given as 96 i.e. 115% CP - 83% CP = 96

$$= 32\% \text{ CP} = 96$$

$$\text{CP} = 300.$$

For 10% profit = 10% of 300 = 30.

$$\text{SP} = 300 + 30 = 330$$

**Current Affairs Question and Answers (Download PDF)**

**Question 52**

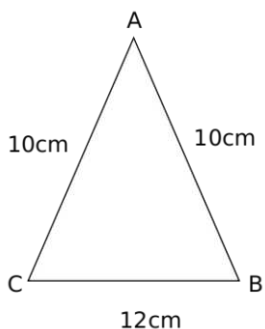
The sides of an isosceles triangles are 10 cm, 10 cm and 12 cm. What is the area of the triangle?

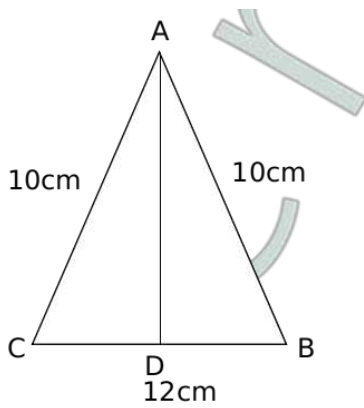
- A  $60 \text{ cm}^2$
- B  $48 \text{ cm}^2$
- C  $40 \text{ cm}^2$
- D  $44 \text{ cm}^2$

**Answer: B**

**Explanation:**

To find the area of the isosceles triangle ABC draw a perpendicular line from A to the base of the triangle BC and name that point as D such that it will become a right angled triangle.





Now,  $BD = CD = 6\text{cm}$ . The area of the right angled triangle is given as  $= \frac{1}{2} \times b \times h$ , where  $b$  and  $h$  are base and height. Height we can calculate from pythagoras theorem

$$AD^2 = (AB^2 - BD^2)$$

$$\Rightarrow AD^2 = (10^2 - 6^2)$$

$$\Rightarrow AD = 8\text{cm}.$$

The area of right angled now will be  $= \frac{1}{2} \times 6 \times 8 = 24\text{cm}^2$

The area of triangle ABC will be two times the area of triangle ADB  $= 24+24=48\text{ cm}^2$ .

Hence option B is correct.

#### Question 53

A sum of ₹2000 is invested on simple interest for three years at the rate of 10% per annum, then the amount will be:

- A ₹2900
- B ₹2600
- C ₹2300
- D ₹2500

Answer: B

#### Explanation:

Simple Interest (SI) is given as  $= \frac{PRT}{100}$ , where  $P$  is Principle amount,  $R$  is Rate of Interest,  $T$  is Time period

$$\text{Here, } P = 2000, R = 10\% \text{ So, } SI = \frac{(2000)(10)(3)}{100} = 600$$

Hence the total amount will be  $SI + P = 2000 + 600 = 2600$ .

#### Question 54

The proportion of the number of students in three classes is 1 : 2 : 3. If 20 students are included in each class, then the proportion becomes 3 : 5 : 7. What was initially the total number of students in the three classes?

- A 200
- B 280
- C 220
- D 240

Answer: D

Daily and Monthly Current Affairs (Download PDF)

**Question 55**

Marked price of an article is ₹2600, which is 30% more than the cost price. If the profit is 45%, then what will be the selling price of the article?

- A ₹3100
- B ₹3900
- C ₹2700
- D ₹2900

**Answer: D**

**Explanation:**

Given the MP of the article is 2600 and according to the question  $MP = 130\% CP$

$$\text{Hence, } CP = \frac{2600}{1.3} = 2000.$$

$$\text{Profit \%} = \frac{SP - CP}{CP}$$

$$45\% = \frac{SP - 2000}{2000}$$

$$SP = 2900.$$

**Question 56**

A train with 72 km/h speed crosses a stationary pole in 35 seconds. How much time (in minutes) does it take to cross a 1.1 km long bridge?

- A 2.5
- B 3
- C 2
- D 1.5

**Answer: D**

**Explanation:**

$$\text{Given train speed} = 72 \frac{\text{km}}{\text{hr}}$$

$$\text{The length of the train will be calculated from the formula } \text{Speed} = \frac{\text{Distance}}{\text{Time}} \text{ i.e. } 72 \times \frac{5}{18} \times 35 = 700 \text{ m or } 0.7 \text{ km}$$

Hence, for crossing a bridge of 1.1 km, it will cover a total distance of  $1.1 \text{ km} + 0.7 \text{ km} = 1.8 \text{ km}$

$$\text{So, from formula we get Time taken by train (in minutes) to cross a bridge} = \frac{1.8}{72} \times 60$$

$$= 1.5 \text{ minutes.}$$

**Question 57**

The average weight of 18 boys in a group is 35 kg. If four new boys of weights 20 kg, 22 kg, 26 kg and 28 kg are added to the group, then what is the average weight of the newly formed group?

- A 34 years
- B 32 years
- C 35 years
- D 33 years

**Answer: D**

**Explanation:**

Average formula =  $\frac{\text{sum of ages of all boys}}{\text{total number of boys}}$

So, the average age of 18 boys is 35 here,

from the above formula we get the total age =  $35 \times 18 = 630$ .

When four new boys joined the group of ages 20, 22, 26, 28, now total age will become =  $630 + 20 + 22 + 26 + 28 = 726$ .

Now total number of boys increased to 22, hence average age of new group =  $\frac{726}{22} = 33$ .

## SSC CHSL Previous Papers (DOWNLOAD PDF)

**Question 58**

The cost price and the selling price of a shirt are ₹960 and ₹1392 respectively. If by way of bargaining a customer can bring the selling price down by 10% of the cost price, then what is the profit percentage?

- A 55%
- B 35%
- C 30%
- D 45%

**Answer: B**

**Explanation:**

Given the CP of the shirt = 960 and SP of the shirt = 1392

The profit when after bargaining the SP comes down to 10% of CP i.e. 96

So new SP will be =  $1392 - 96 = 1296$ .

Hence, Profit % =  $\frac{SP - CP}{CP} \times \{100\}$

$$= \frac{1296 - 960}{960} \times \{100\}$$

= 35 %

**Question 59**

The speed of a boat in still water is 6 km/h. Time taken by the boat to cover a certain distance upstream is 3 hours more than the time taken to cover the same distance downstream. If the speed of the stream is 2 km/h, then what is the total distance, upstream and downstream, covered by the boat?

- A 72 km
- B 24 km
- C 48 km
- D 36 km

**Answer: C**

**Explanation:**

Let the speed of the boat be  $x \frac{\text{km}}{\text{hr}}$  and speed of stream be  $y \frac{\text{km}}{\text{hr}}$ .

Let the distance covered in one way be D km.

From the question we have,  $\frac{D}{x+y} + 3 = \frac{D}{x-y}$ ,

Given,  $x = 6 \frac{\text{km}}{\text{hr}}$  and  $y = 2 \frac{\text{km}}{\text{hr}}$



we get,  $4 - \frac{D}{8} = 3$

i.e.  $D = 24 \frac{km}{hr}$

So, the total distance in upstream and downstream is  $24+24 = 48 \frac{km}{hr}$

#### Question 60

What is the value of  $2 \text{ of } 16 \div 48 \times 12 + 4 \div 8 \times 16 + (7 - 2) \times 25 \div 15$ ?

A  $\frac{73}{3}$

B  $\frac{59}{3}$

C  $\frac{49}{3}$

D  $\frac{56}{3}$

Answer: A

## SSC Stenographer Previous Papers (Download PDF)

#### Question 61

What is the average of first 15 whole numbers?

A 8

B 7

C 9

D 10

Answer: B

#### Explanation:

The first 15 whole numbers are 0,1,2,3,.....14.

Average formula =  $\frac{\text{sum of all terms in the given series}}{\text{number of terms present in the series}}$

So, for finding average of these above numbers we should add all the numbers and divide it by 15.

As, we can see here that this series of whole numbers is in AP. So, here we can use directly the AP series formula which is as follow for n terms,

$$S_n = \frac{n}{2} \times \{2a + (n-1) \times d\}$$

So for 15 terms, here,  $n=15, a=0, d=1$ , where 'a' and 'd' are first term and common difference in AP series respectively.

After putting in the above formula we get;

$$S_{15} = \frac{15}{2} \times \{2 \times 0 + (15-1) \times 1\}$$

$$S_{15} = \frac{15}{2} \times \{14\}$$

$$= \{15\} \times \{7\}$$

So, the average of first 15 whole numbers is 7.

#### Question 62

What is the value of

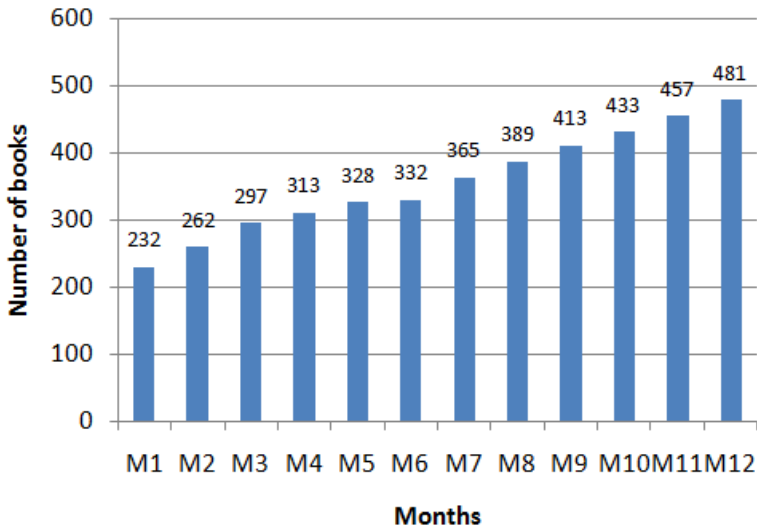
$\left(\frac{1}{2} \div \frac{1}{2} \times \frac{1}{2} + \frac{1}{2} - \frac{1}{2} + \frac{1}{2} \times \frac{1}{2} \div \frac{1}{2}\right)$  of  $\left(\frac{1}{2} + \frac{1}{2}\right)$ ?

- A  $\frac{3}{2}$
- B  $\frac{1}{2}$
- C 1
- D  $\frac{5}{2}$

Answer: C

**Question 63**

The Bar graph given below presents the number of books sold by a book seller during different months of a year.



The number of books sold in month M3 is what percent of books sold in month M6?

- A 89.45%
- B 92.45%
- C 95.45%
- D 98.45%

Answer: A

**SSC GD Constable Previous Papers**

**Question 64**

What is the difference of mean and median of the given data : 4, 13, 8, 15, 9, 21, 18, 23, 35, 1?

- A 0.7
- B 1.7
- C 1.2
- D 2.1

Answer: A

**Explanation:**

Mean:

No. of samples (n) = 10

$$\text{Mean} = \frac{\sum x}{n} = \frac{4+13+8+15+9+21+18+23+35+1}{10} = \frac{147}{10} = 14.7$$

Median:

Arranging the data in ascending order, we get:

1, 4, 8, 9, 13, 15, 18, 21, 23, 35

n = 10 (even)

Therefore, median is the average of 5th and 6th term.

$$\text{Median} = \frac{13+15}{2} = 14$$

$$\text{Mean} - \text{Median} = 14.7 - 14 = 0.7$$

Therefore, Option A is correct.

#### Question 65

The area of a square is  $144 \text{ cm}^2$ . What is the perimeter of the square formed with the diagonal of the original square as its side?

A  $48\sqrt{2}$  cm

B 48 cm

C  $24\sqrt{2}$  cm

D 24 cm

Answer: A

#### Question 66

60% of a number is 168, then what is the number?

A 280

B 320

C 240

D 200

Answer: A

### SSC MTS Previous Papers (DOWNLOAD PDF)

#### Question 67

Ravi's age is  $\frac{3}{5}$  of Shyam's age. After x years the ratio of the ages of Ravi and Shyam becomes 5 : 7. If initially the sum of their ages is 32, then what is the value of x ?

A 2

B 4

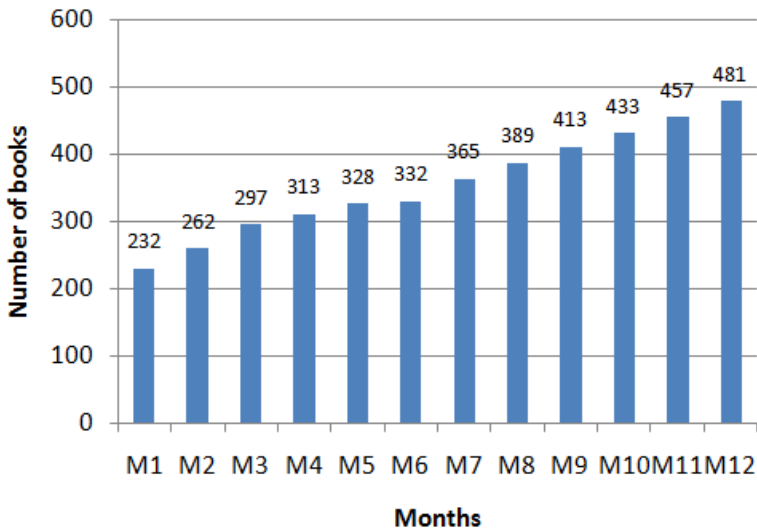
C 8

D 7

Answer: C

Question 68

The Bar graph given below presents the number of books sold by a bookseller during different months of a year.



What is the total number of books sold by the book seller in the year?

- A 4132
- B 4032
- C 4302
- D 4202

Answer: C

Question 69

The radius of a hemisphere is 14 cm. What is the cost of painting the outer curved surface of the hemisphere at the rate of ₹45 per  $\text{cm}^2$ ? (Take  $\pi = \frac{22}{7}$ )

- A ₹53160
- B ₹55440
- C ₹56820
- D ₹58280

Answer: B

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

Question 70

What is the largest two digit number which when divided by 6 and 7 gives remainder 3 and 4 respectively?

- A 81
- B 94
- C 83
- D 84

Answer: A

Question 71

A sum of ₹1000 is invested on compound interest (compounding annually) for three years. If the rate of interest is 10% per annum for the first two years and 50% per annum for the third year, then what will be the interest?

- A ₹612
- B ₹655
- C ₹815
- D ₹756

Answer: C

Question 72

E, F and G together can complete a work in 12 days. If E and F together can complete the same work in 30 days, then in how many days can G alone complete the same work?

- A 18 days
- B 20 days
- C 12 days
- D 24 days

Answer: B

## SSC CGL Free Mock Test (Latest Pattern)

Question 73

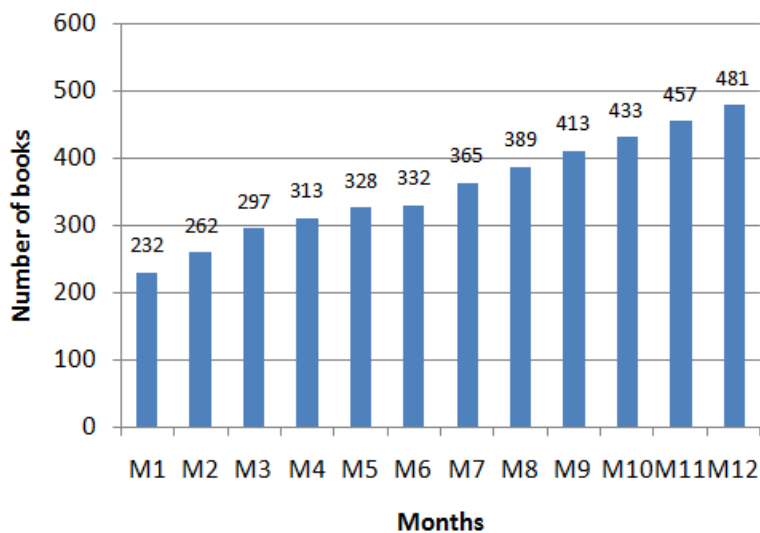
What is the ratio of the mean proportional between 24 and 150 and the third proportional between 12 and  $6\sqrt{5}$ ?

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

Answer: D

Question 74

The Bar graph given below presents the number of books sold by a bookseller during different months of a year.



The number of books sold in month M8 is how much more than the average number of books sold per month?

- A 30.5
- B 26.5
- C 22.5
- D 34.5

Answer: A

Question 75

Vishal alone can complete  $\frac{1}{3}$  part of a work in 60 days and Ashok alone can complete  $\frac{1}{4}$  part of the same work 30 days. In how many days Vishal and Ashok together can complete the same work?

- A 64
- B 20
- C 72
- D 56

Answer: C

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### General knowledge

**Instructions**

For the following questions answer them individually

**Question 76**

Vaibhav Yadav is associated with which of the following sport?

- A Boxing
- B Badminton

- C Tennis
- D Weightlifting

Answer: A

## SSC Stenographer Previous Papers (Latest Pattern)

Question 77

Which of is the regional music of Goa?

- A Sohar
- B Pandavani
- C Mando
- D Lotia

Answer: C

Question 78

Which part of brain maintains posture and balance of human body?

- A Cerebrum
- B Pons
- C Cerebellum
- D Medulla

Answer: C

Question 79

At what pH value tooth starts to decay?

- A 11.2
- B 6.5
- C 5.5
- D 7.5

Answer: C

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

Question 80

Based on economic activities, how many sectors are there in Indian economy?

- A 4
- B 3
- C 2

D 5

Answer: B

Question 81

Which of the following is a sweet smelling substance?

A Ammonia

B Methanol

C Esters

D Ethanol

Answer: C

Question 82

Which of the following books is written by Varaha Mihira?

A Kumarasambhava

B Shakuntala

C Brihat Samhita

D Ritusamhara

Answer: C

## SSC MTS Free Mock Test (Latest Pattern)

Question 83

The first modern Olympic Games were held in which of the following city?

A Athens

B Stockholm

C Paris

D London

Answer: A

Question 84

Which of the following became a union territory of India in 1954 after about 280 years of French rule?

A Dadra and Nagar Haveli

B Daman and Diu

C Puducherry

D Lakshadweep

Answer: C



**Question 85**

As per Article 274 of constitution, whose prior recommendation is required to the Bills affecting taxation?

- A Chairman of Rajya Sabha
- B Union Finance Minister
- C President
- D Prime Minister

**Answer: C**

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

**Question 86**

Amit Shah contested the Lok Sabha elections 2019 from \_\_\_\_constituency.

- A Varanasi
- B Lucknow
- C Gandhinagar
- D Amethi

**Answer: C**

**Question 87**

Which finger shows the direction of current in Fleming's left hand rule?

- A Index finger
- B Middle finger
- C Thumb finger
- D Ring finger

**Answer: B**

**Question 88**

As of June 2019 who is the chairman of ISRO?

- A A. S. Kiran Kumar
- B Shailesh Nayak
- C K. Radhakrishnan
- D K. Sivan

**Answer: D**

**SSC MTS Free Preparation App**

**Question 89**

**Who built the Hawa Mahal situated in Jaipur?**

- A Rawal Jaisal
- B Sawai Pratap Singh
- C Chitrangad Mori
- D Rawal Ratan Singh

**Answer: B**

**Question 90**

**Which Schedule of Indian Constitution contains the provisions on Panchayat Raj Institutions?**

- A Tenth Schedule
- B Eleventh Schedule
- C Ninth Schedule
- D Twelfth Schedule

**Answer: B**

**Question 91**

**The Vikramshila Gangetic Dolphin Sanctuary is located in:**

- A Haridwar
- B Allahabad
- C Bhagalpur
- D Visakhapatnam

**Answer: C**

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**Question 92**

**Which of the following rivers originates in Amarkantak Hill in Madhya Pradesh?**

- A Periyar
- B Ravi
- C Narmada
- D Gomti

**Answer: C**

**Question 93**

**The famous dancer Chemancheri Kunhiraman Nair is associated with which of the following dance forms?**

- A Kathakali
- B Manipuri
- C Odissi
- D Sattriya

Answer: A

**Question 94**

Which of the following is the largest peninsular river in India?

- A Godavari
- B Narmada
- C Krishna
- D Mahanadi

Answer: A

## SSC Exam Free Videos (Youtube)

**Question 95**

How many languages are there on language panel of Indian currency note?

- A 12
- B 17
- C 15
- D 10

Answer: C

**Question 96**

As of June 2019, who is the CEO of Union Bank of India?

- A Rajkiran Rai G.
- B Sunil Mehta
- C Ashok Kumar Pradhan
- D Ravneet Singh Gill

Answer: A

**Question 97**

Which type of reproduction occurs in hydra?

- A Fragmentation
- B Budding

- C Binary Fission
- D Spore Formation

**Answer: B**

## SSC Study Material

### Question 98

Which of the following is highest civilian award of India?

- A Padma Bhushan
- B Bharat Ratna
- C Padma Shri
- D Jnanpith Award

**Answer: B**

### Question 99

Who is the writer of novel 'The White Tiger'?

- A R.K. Narayan
- B Aravind Adiga
- C Vikram Seth
- D Shashi Tharoor

**Answer: B**

### Question 100

Which of the following sites is associated to the birth of Gautama Buddha?

- A Sarnath
- B Lumbini
- C Kushinagar
- D Bodh Gaya

**Answer: B**

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