



## SSC MTS 5th August 2019 Shift-3

All rights reserved. No part of this publication may be reproduced, distributed, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, or stored in any retrieval system of any nature without the permission of cracku.in, application for which shall be made to [support@cracku.in](mailto:support@cracku.in)

**Instructions**

For the following questions answer them individually

**Question 1**

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

He did not have few hopes when he contested the election. /No error

- A He did not have
- B contested the election
- C No error
- D few hopes when he

**Answer: D**

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

**Instructions**

Select the most appropriate option to fill in the blank.

**Question 2**

I \_\_\_\_ blood in the hospital tomorrow.

- A have donated
- B had donated
- C was donating
- D will donate

**Answer: D**

**Question 3**

I am always \_\_\_\_ for good books.

- A looking into
- B looking out
- C looking down
- D looking after

**Answer: B**

**Instructions**

For the following questions answer them individually

**Question 4**

Select the most appropriate synonym of the given word.

Infuriate

- A Enrage

- B Enhance
- C Engage
- D Endow

Answer: A

## SSC Stenographer Previous Papers (Download PDF)

### Question 5

Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.  
Sterling is only twenty four but have achieved so much in his professional football career.

- A Sterling is only twenty four
- B in his professional football career
- C No error
- D but have achieved so much

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 housing problem in Mumbai becomes more serious day by day.

- A No Improvement
- B had become
- C become
- D is becoming

Answer: D

### Question 7

Select the most appropriate antonym of the given word.

Familiar

- A Usual
- B Strange
- C Common
- D Known

Answer: B

## SSC GD Constable Previous Papers

**Question 8**

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

A violent windstorm

- A Temperate
- B Drought
- C Tempest
- D Draught

**Answer: C**

**Question 9**

Choose the correctly spelt word.

- A Extravagant
- B Extravagent
- C Extrevagant
- D Extrawagant

**Answer: A**

**Question 10**

Select the most appropriate option to fill in the blank.

Young people from disadvantaged homes look for \_\_\_ in government jobs.

- A capability
- B stability
- C utility
- D ability

**Answer: B**

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

**Question 11**

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 train pass over the long dark tunnel.

- A pass across
- B No Improvement
- C passes into
- D passed through

**Answer: D**

**Question 12**

Select the most appropriate meaning of the given idiom.

**To feel at home**

- A To feel comfortable
- B To miss one's home
- C To feel out of place
- D To be rarely at home

**Answer: A**

**Question 13**

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

**The art of creating and arranging dances**

- A Calligraphy
- B Choreography
- C Seismology
- D Geology

**Answer: B**

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

**Question 14**

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**.

Not only the parents but also the children were sad at leaving the house.

- A as also
- B so even
- C and also
- D No Improvement

**Answer: D**

**Question 15**

Select the most appropriate meaning of the given idiom.

**Go getter**

- A One who does the right thing
- B A greedy person
- C One who runs away
- D A real achiever

**Answer: D**

**Question 16**

Choose the correctly spelt word.

- A Forward
- B Eddition
- C Foreign
- D Enfluence

Answer: C

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

**Question 17**

Select the most appropriate antonym of the given word.

**Current**

- A General
- B Present
- C Modern
- D Past

Answer: D

**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:**

Education makes a person self-reliant. An (1)\_\_\_ person is well equipped to take important decisions (2)\_\_\_ life. He is the master of his (3)\_\_\_ and fortune. On the other hand an illiterate person (4)\_\_\_ help and guidance at every step. He feels helpless (5)\_\_\_ is at the mercy of others.

**Question 18**

Select the most appropriate option for blank No. 1.

- A educated
- B wise
- C illiterate
- D learned

Answer: A

**Question 19**

Select the most appropriate option for blank No. 2.

- A in
- B to

C on

D at

Answer: A

## SSC CHSL Free Mock Test (Latest Pattern)

Question 20

Select the most appropriate option for blank No. 3.

A chance

B lot

C fate

D luck

Answer: C

Question 21

Select the most appropriate option for blank No. 4.

A need

B has needed

C needs

D is needing

Answer: C

Question 22

Select the most appropriate option for blank No. 5.

A but

B unless

C though

D and

Answer: D

## SSC Stenographer Previous Papers (Latest Pattern)

Instructions

For the following questions answer them individually

Question 23

Select the most appropriate synonym of the given word.

Courteous

A Optional

B Meritorious

C Polite

D Arrogant

Answer: C

**Question 24**

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

It is easier to preach than to follow. /No error

A No error

B then to follow

C to preach

D It is easier

Answer: B

**Question 25**

Select the most appropriate option to fill in the blank.

My mother is the \_\_\_ inspiration in my life.

A most biggest

B biggest

C big

D bigger

Answer: B

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

### Reasoning

**Instructions**

For the following questions answer them individually

**Question 26**

In a certain code language, 'BOTANY' is written as 'CQWBPB'. What will be the code for 'INSECT' in that code language?

A KQWGFY

B JPVFEW

C KRWGFY

D JPUFEW

Answer: B

## SSC MTS Free Mock Test (Latest Pattern)



**Question 27**

Select the option in which the letters share the same relationship as that shared by the given pair of letters.

**GOM : JSR :: ?**

- A MOP : PSV
- B RAT : UFY
- C COB : FSG
- D LAP : OFU

**Answer: C**

**Question 28**

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

**Cloth : Mill :: Crop : ?**

- A Press
- B Maize
- C Field
- D Factory

**Answer: C**

**Explanation:**

Cloths are produced in mill similarly, crops are produced in field.

**Question 29**

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 wood are chairs.
- II. All chairs are mats.

**Conclusions:**

- I. Some mats are wood.
- II. Some chairs are wood.
- III. All wood are mats.

- A Both conclusions I and II follow.
- B Both conclusions II and III follow.
- C Only conclusion I follows.
- D None of the conclusions follows.

**Answer: A**

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

**Question 30**

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

**17 : 289 :: 31 : ?**

- A 961
- B 1021
- C 1089
- D 941

Answer: A

**Explanation:**

Here, square of 17 is 289.. Similarly, square of 31 is 961.

**Question 31**

Six cars labelled D, F, H, J, L and N are parked around a circular path facing towards the centre (not necessarily in the same order). H is third to the right of N. J is to the immediate left of D. F is second to the left of N. D is second to the left of F. Which car is parked second to the right of H?

- A J
- B L
- C N
- D F

Answer: B

**Question 32**

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

<b>3</b>	<b>4</b>	<b>7</b>
<b>6</b>	<b>4</b>	<b>2</b>
<b>3</b>	<b>2</b>	<b>5</b>
<b>15</b>	<b>12</b>	<b>?</b>

- A 41
- B 43
- C 37
- D 31

Answer: C

**Explanation:**

Here,  $3 \times 3 + 6$

=9+6

=15

Similarly,

$5 \times 7 + 2$

=35+2

=37

## SSC MTS Free Preparation App

### Question 33

Select the number that can replace the question mark (?) in the following series.  
279, 277, 273, 267, ?

- A 257
- B 263
- C 261
- D 259

Answer: D

#### Explanation:

Here, it's observed that difference between two terms is increasing by 2 each time.

$$279 - 277 = 2$$

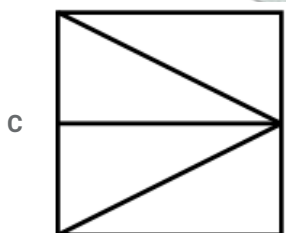
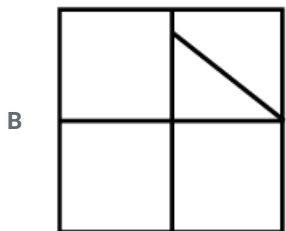
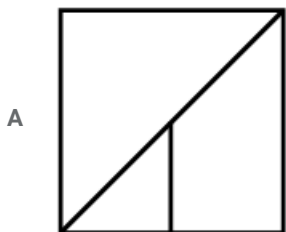
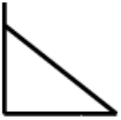
$$277 - 273 = 4$$

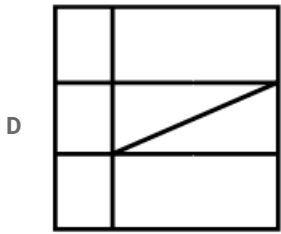
$$273 - 267 = 6$$

Therefore, next difference would be 8. Then,  $267 - 8 = 259$ .

### Question 34

Select the option in which the given figure is embedded. (Rotation not allowed)

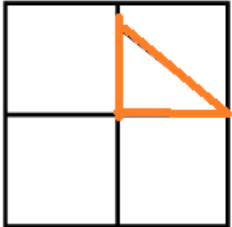




Answer: B

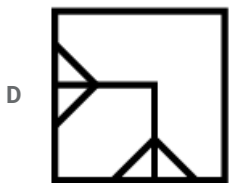
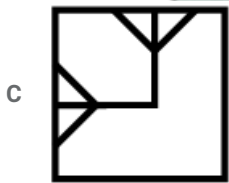
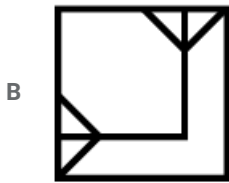
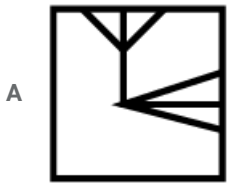
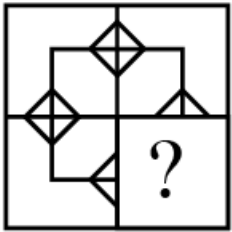
**Explanation:**

Answer is b.



Question 35

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



Answer: C

**Explanation:**

Answer is option c.



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

**Question 36**

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 P are Q.
- II. Some Q are Z.
- III. Some Z are T.

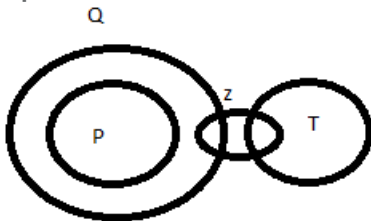
**Conclusions:**

- I. Some T are P.
- II. Some P are Z.
- III. No T is Z.

- A Both conclusions II and III follow.
- B Only conclusion II follows.
- C None of the conclusions follow.
- D Only conclusion I follows.

**Answer: C**

**Explanation:**



The relation between P, Q, Z and T can be represented by the following diagram.

So, the answer would be option c)None of the conclusions follow.

**Question 37**

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

MR, NU, OX, PA, ?

- A RE
- B QC
- C RC
- D QD

**Answer: D**

**Explanation:**

In the given series, MR, NU, OX, PA

First position letters of each letter-pair i.e., M,N,O,P are in a sequence as per alphabetical order. Therefore, next letter would be Q

Second position letters of each letter-pair i.e., R,U,X,A are having two letters between each of them. Therefore, next possible letter after A will be D with B,C between them.

Therefore, Correct letter pair in the given choice is QD.

**Question 38**

Five subjects, R, T, V, X and Z, are taught from Monday to Friday (not necessarily in the same order). One subject is taught on one day. Only Z is taught before R. T is taught before X. T is not taught on Wednesday. How many subjects are taught before V?

- A 2
- B 3
- C 0
- D 1

Answer: A

**Explanation:**

Using , Only Z is taught before R,

M T W Th F

Z R \_ \_ \_

Since T is not taught on Wednesday , and it is taught before X,

M T W Th F

Z R V T X

So , 2 subjects Z and R , are taught before V.

So, the answer is option a)2.

**SSC Exam Free Videos (Youtube)**

**Question 39**

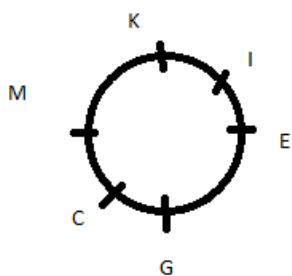
Six actors, C, E, G, I, K and M, are sitting around a circular table facing towards the centre (not necessarily in the same order). M is second to the left of G. E is second to the right of C. K is to the immediate left of M. Who is sitting to the immediate right of E?

- A I
- B G
- C M
- D K

Answer: A

**Explanation:**

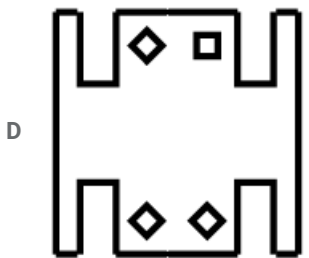
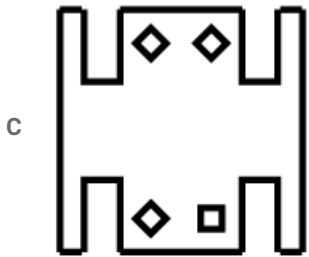
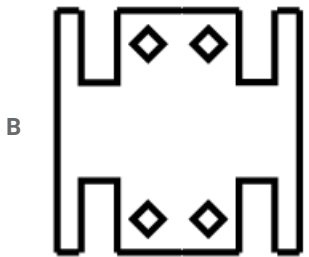
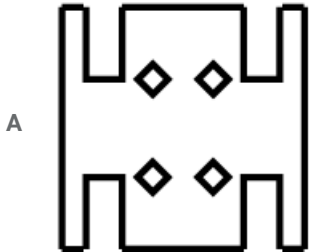
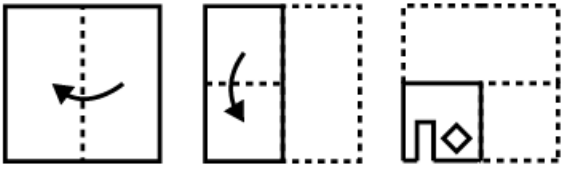
Using the clauses , draw the seating arrangement.



So, the answer would be option a) I.

Question 40

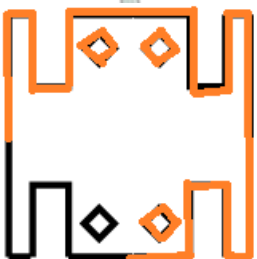
The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded?



Answer: B

Explanation:

Answer is option b.



**Question 41**

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

8, 8, 16, 48, ?

- A 196
- B 192
- C 190
- D 216

**Answer:** B

**Explanation:**

$$8 \times 1 = 8$$

$$8 \times 2 = 16$$

$$16 \times 3 = 48$$

$$48 \times 4 = 192$$

So, the answer would be option b)192.

## SSC Study Material

**Question 42**

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

$$5 \times 8 + 7 - 3 = 14$$

- A 8 and 3
- B 8 and 5
- C 3 and 7
- D 7 and 8

**Answer:** A

**Explanation:**

If we interchange 8 and 3 then-

$$5 \times 3 + 7 - 8$$

$$= 15 + 7 - 8$$

$$= 14$$

**Question 43**

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

Eraser : Pencil :: Chair : ?

- A Sit
- B Plastic
- C Wood
- D Table

**Answer:** D



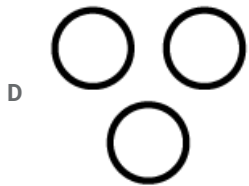
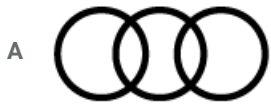
**Explanation:**

Eraser and Pencil are quite complementary and similarly Chair and Table are also quite complementary item.

**Question 44**

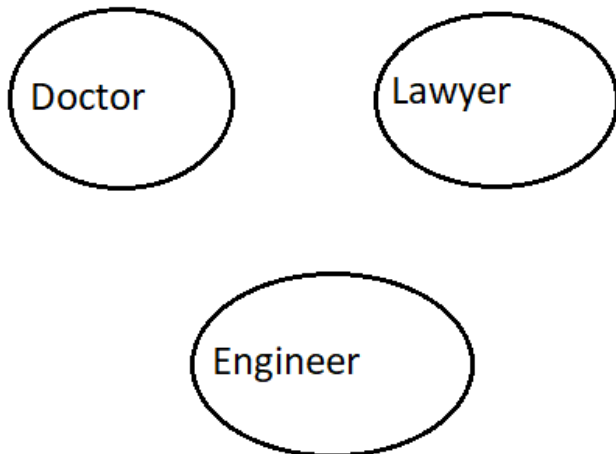
Identify the diagram that best represents the relationship between the given classes.

Lawyer, Engineer, Doctor



Answer: D

**Explanation:**



Question 45

If the given two numbers are interchanged, which of the following equations will become correct?  
3 and 5

A  $6 + 5 \times 2 - 3 = 7$

B  $3 + 4 - 1 \times 5 = 2$

C  $3 + 5 - 4 \times 2 = -1$

D  $1 + 9 \div 3 + 5 = 9$

Answer: A

Explanation:

if we interchange 3 and 5 then-

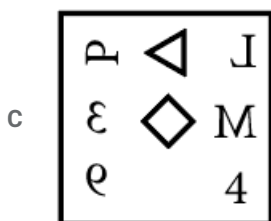
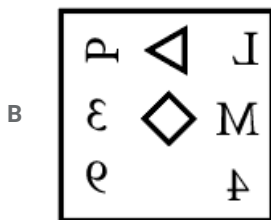
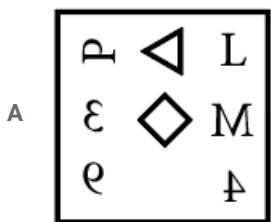
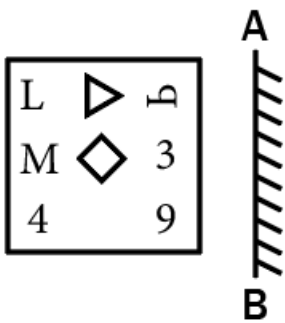
$$6 + 3 \times 2 - 5$$

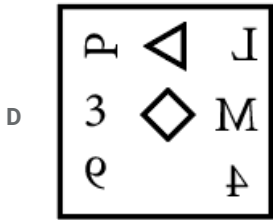
$$= 6 + 6 - 5$$

$$= 7$$

Question 46

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





Answer: B

Question 47

In a certain code language, 'RIP' is written as '42' and 'MOL' is written as '39'. What will be the code for 'GAN' in that code language?

- A 21
- B 23
- C 20
- D 22

Answer: A

Explanation:

Here place values of given words are-

R=18, I=9, P=16

So, RIP=(18+9+16)-1 =42

Similarly, M=13, O=15, L=12

So, (13+15+12)-1 = 39

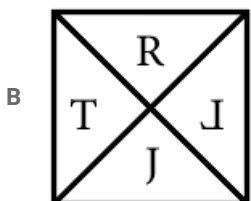
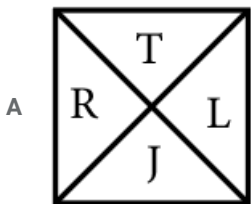
G=7, A=1, N=14

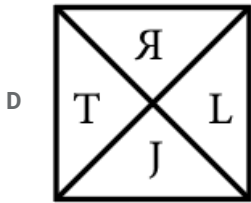
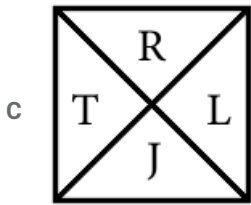
So, (7+1+14)-1 = 21

SSC GK Free Tests

Question 48

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





Answer: C

**Explanation:**

Here the letters are moving 90 degree clockwise direction so, the answer figure will be option C.

**Question 49**

In a certain code language, 'PLANTS' is written as 'QNBPUU'. What will be the code for 'KIDNEY' in that code language?

- A MLFQGB
- B MLEQGE
- C LKFPFA
- D LKEPFA

Answer: D

**Question 50**

In a certain code language, 'POLE' is written as '48' and 'ROG' is written as '40'. What will be the code for 'TIP' in that code language?

- A 48
- B 35
- C 45
- D 44

Answer: C

**Explanation:**

Place values of letters of POLE are-

P=16, O=15, L=12, E=5

So,  $(16+15+12+5)=48$

Similarly, R=18, O=15, G=7

$(18+15+7)=40$

Now, T=20, I=9, P=16

So,  $(20+9+16)=45$

### Instructions

For the following questions answer them individually

#### Question 51

The average speed of a car is 600 metres/minute. How much slower (in metres/second) does the car run than a sprinter who covers 100 metres in 9.6 seconds?

A  $\frac{7}{12}$

B  $\frac{5}{12}$

C  $\frac{1}{2}$

D  $\frac{5}{24}$

Answer: B

## Current Affairs Question and Answers (Download PDF)

#### Question 52

An article is sold at 22.5% profit. What is the ratio of the cost price to the selling price?

A 39 : 69

B 31 : 57

C 34 : 63

D 40 : 49

Answer: D

#### Explanation:

22.5% = profit%

Let us consider 100 as cost price

profit

$$= \frac{22.5}{100} \times 100$$

$$= 22.5$$

Selling price will be ,

$$\text{Cost price} + \text{profit} = 100 + 22.5$$

$$\text{S.p} = 122.5$$

the ratio of the cost price to the selling price

$$= \frac{100}{122.5}$$

$$= \frac{1000}{1225}$$

$$= \frac{40}{49}$$

#### Question 53

A bag contains coins of 1 rupee, 50 paise and 25 paise in the ratio of 1 : 2 : 4. If the total money in the bag is ₹ 225, then how many 50 paise coins are there?

A 150

B 175

C 125

D 200

Answer: A

**Explanation:**

1 Rs

50 paise = 0.5 Rs

25paise = 0.25 Rs

Given that

$$1 \times 1x + 0.5 \times 2x + 0.25 \times 4x = 225$$

$$3x = 225$$

$$x = 75$$

So 50 paise coins =  $2 \times 75$

$$= 150$$

**Question 54**

What is the median of the given data?

6, 2, 3, 5, 9, 4, 8, 7

A 6.5

B 5

C 6

D 5.5

Answer: D

**Explanation:**

Firstly arrange the given no. in ascending order

2, 3, 4, 5, 6, 7, 8, 9

2, 3, 4, 5, 6, 7, 8, 9

Now find middle term

That is 5, 6

Now take avg of it

$$\frac{5+6}{2}$$

$$= 5.5$$

**Daily and Monthly Current Affairs (Download PDF)**

**Question 55**

A mixture contains milk and water in the ratio 4 : 3 (by volume). If 4 litres water is added to it, then the ratio becomes 1: 1. What is the quantity of milk in the initial mixture?

- A 16 litres
- B 20 litres
- C 18 litres
- D 12 litres

**Answer:** A

**Explanation:**

Initially mixture is 4:3

After adding 4 lit water it becomes 1:1

It means quantity of milk is remain unchanged and water is changed in mixture

4:3 .....(1)

1:1  $\times 4$  (to equal the milk quantity )

= 4:4 .....(2)

Now milk ratio is same and water is changed after adding water

difference in the ratio (1) and (2) = 1: 0 unit

1 unit -> 4 lit

So in 4:3 ratio

Milk =  $4 \times 4 = 16$  litre

Water =  $3 \times 4 = 12$  litre

**Question 56**

An article is sold at two successive discounts of 10% and 20%. If the selling price is ₹1080, then what is the marked price?

- A ₹1400
- B ₹1600
- C ₹1500
- D ₹1300

**Answer:** C

**Explanation:**

formula of successive discount =  $d_1 + d_2 - d_1 \times d_2 \div 100$

= 10

= 28%

Let us consider 100 as marked price and

discount is count on marked price so discount

=  $\frac{28}{100} \times 100$

Discount = 28

Selling price =  $100 - 28 = 72$  which is equal to 1080

$$72 = 1080$$

$$1 = 1080 \div 72$$

$$1 = 15$$

So

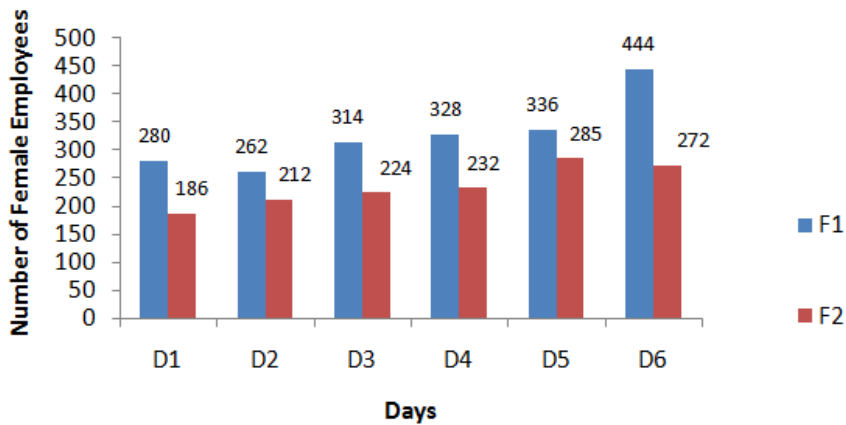
$$100 = 15 \times 100$$

$$= 1500$$

So marked price is Rs 1500

#### Question 57

The Bar graph given below presents the number of female employees working in two factories on six different days of a week.



On which day the number of female workers in the factories F1 and F2, taken together, is the second highest?

- A D5
- B D3
- C D4
- D D6

Answer: A

Explanation:

D1

$$\begin{aligned} F1 + F2 &= 280 + 186 \\ &= 466 \end{aligned}$$

D2

$$\begin{aligned} F1 + F2 &= 262 + 212 \\ &= 474 \end{aligned}$$

D3

$$\begin{aligned} F1 + F2 &= 314 + 224 \\ &= 438 \end{aligned}$$

D4

$$\begin{aligned} F1 + F2 &= 328 + 232 \\ &= 560 \end{aligned}$$

D5

$$F1 + F2 = 336 + 285$$



= 621

D6

F1 + F2 = 444 + 272

= 716

second highest = 621 D5

## SSC CHSL Previous Papers (DOWNLOAD PDF)

### Question 58

A train takes 1 minute to cross a stationary pole. How much time (in seconds) will it take to cross a bridge whose length is twice that of the train?

A 120

B 90

C 150

D 180

Answer: D

### Explanation:

As we know that

$$\text{Speed} = \frac{\text{distance}}{\text{time}}$$

Given

Let train length = D

$$\text{Speed} = \frac{D}{60}$$

Now

Given that

Bridge length = 2D

$$\text{Time} = \frac{\text{bridglength} + \text{train}}{\text{speed}}$$

$$\text{Time} = \frac{2D + D}{60}$$

Time = 180

### Question 59

Article 1 is sold for ₹180. Article 2 is sold for ₹240. The profit on article 1 is 20% and loss on article 2 is 20%, What is the sum of cost prices of the two articles?

A ₹480

B ₹520

C ₹450

D ₹400

Answer: C

### Explanation:

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

In case1 there is profit

$$C.p1 = \frac{5}{6} \times 180$$
$$= 150$$

In case 2 there is loss

$$C.p2 = \frac{5}{4} \times 240$$
$$= 300$$

$$CP1 + CP2 = 450$$

### Question 60

What is the value of  $\frac{3 \text{ of } 24 \div 8 \times 3 + 4 \div 2 - 4 \times 5}{36 \div 12 \times 4 \div 2 + 5 \times (6 - 4)}$  ?

A  $\frac{3}{10}$

B  $\frac{9}{16}$

C  $\frac{3}{4}$

D  $\frac{8}{15}$

Answer: B

### Explanation:

$$\frac{72 \div 8 \times 3 + 4 \div 2 - 4 \times 5}{36 \div 12 \times 4 \div 2 + 5 \times 2}$$

$$= \frac{9 \times 3 + 2 - 20}{3 \times 2 + 5 \times 2}$$

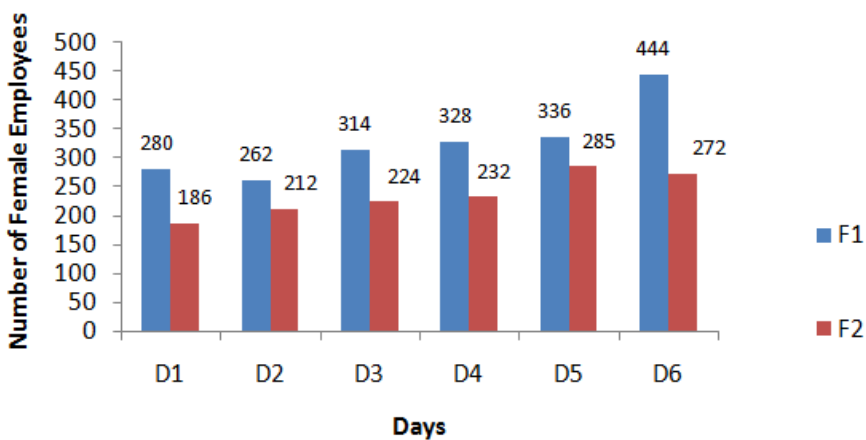
$$= \frac{27 + 2 - 20}{6 + 10}$$

$$= \frac{9}{16}$$

## SSC Stenographer Previous Papers (Download PDF)

### Question 61

The Bar graph given below presents the number of female employees working in two factories on six different days of a week.



What is the ratio of the average number of females working in factory F2 per day during Days D1, D2, D3 to the average number of females working in factory F1 per day during days D4, D5, D6?

A 1964 : 1411

- B 311 : 554
- C 1411 : 1964
- D 554: 311

Answer: B

**Question 62**

10 men working 8 hours day can do a work in 30 days. In how many days will 12 men working 4 hours a day take do the same work?

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

Answer: A

**Explanation:**

apply chain rule

$$M_1 D_1 H_1 = M_2 D_2 H_2$$

$$10 \times 8 \times 30 = 12 \times 4 \times D_2$$

$$= 50 \text{ days}$$

**Question 63**

What is the value of  $\frac{1}{2} \times \left( \frac{3}{4} \div \frac{9}{32} + 3 \times \frac{2}{3} \right) \div \frac{4}{9} + \left( \frac{1}{3} + \frac{1}{6} \right)$ ?

- A  $\frac{13}{2}$
- B  $\frac{10}{3}$
- C  $\frac{31}{2}$
- D  $\frac{25}{2}$

Answer: B

**Explanation:**

Firstly solve bracket and then apply bodmass rule

$$\frac{1}{2} \times \left( \frac{3}{4} \div \frac{9}{32} + 3 \times \frac{2}{3} \right) \div \frac{4}{9} + \left( \frac{1}{3} + \frac{1}{6} \right)$$

$$\frac{3}{4} \div \frac{9}{32} + 3 \times \frac{2}{3}$$

$$\frac{8}{4} + 2$$

$$\frac{25}{6}$$

$$\frac{10}{3}$$

**Question 64**

A ribbon of uniform width and length  $l$  is wound around a right circular cylinder to completely cover its curved surface. If the circumference of the base of the cylinder is  $c$ , then the number of turns of the ribbon around the cylinder is:

- A  $\frac{l}{4c}$
- B  $\frac{l}{c}$
- C  $\frac{2l}{c}$
- D  $\frac{l}{2c}$

**Answer: B**

**Explanation:**

A ribbon of uniform width and length  $l$  is wound around a right circular cylinder to completely cover its curved surface.

circumference of the cylinder =  $c$

Length of wire =  $l$

$$\text{no. of Turns} = \frac{\text{length of wire}}{\text{circumference}}$$

$$\text{no. of Turns} = \frac{l}{c}$$

**Question 65**

Average age of mother and father is 28 years. Average age of mother, father and their child is 20 years. What is the age of child?

- A 4 years
- B 3 years
- C 6 years
- D 5 years

**Answer: A**

**Explanation:**

$$\text{age of mother and father} = \frac{m+f}{2} = 28$$

$$= m+f=56$$

$$= \frac{m+f+c}{2} = 20$$

$$= m+f+c = 60$$

$$= c = 60-56$$

$$= 4 \text{ years}$$

**Question 66**

The average of 4 numbers is 9. If another number 14 is included, then what is the new average?

- A 10
- B 10.5
- C 9
- D 9.5

**Answer: A**

**Explanation:**

let w,x,y,z be the 4 numbers

$$\text{Avg} = \frac{w+x+y+z}{4} = 9$$

$$w+x+y+z=36$$

New no.v=14

$$\text{Avg of 5 no is} = \frac{w+x+y+z+v}{5}$$

$$= \frac{36+14}{5}$$

$$= 10$$

## SSC MTS Previous Papers (DOWNLOAD PDF)

**Question 67**

What is the largest four-digit number, which is divisible by 32, 40, 36 and 48?

- A 8820
- B 8640
- C 9220
- D 9120

**Answer: B**

**Explanation:**

The LCM of 32,40,36,48 is 1440

Only 8640 is divisible by 1440

**Question 68**

The side of an equilateral triangle is 4 cm. What is its area?

- A  $6\sqrt{3} \text{ cm}^2$
- B  $8\sqrt{3} \text{ cm}^2$
- C  $9\sqrt{3} \text{ cm}^2$
- D  $4\sqrt{3} \text{ cm}^2$

**Answer: D**

**Explanation:**

$$\text{formula} = \frac{\sqrt{3}}{4} a^2$$

$$= \frac{\sqrt{3}}{4} 4^2$$

$$= 4\sqrt{3} \text{ cm}^2$$

**Question 69**

A, B and C, working alone can do a piece of work in 12, 24 and 36 days respectively. They work together and get ₹3850 for completing the work. What is the difference in shares of B and C?

- A ₹700

B ₹1050

C ₹1400

D ₹350

**Answer: D**

**Explanation:**

A = 12

B = 24

C = 36

Lcm = 12, 24, 36 = 72 = total work

Efficiency =  $\frac{12}{72}, \frac{24}{72}, \frac{36}{72}$

= 6, 3, 2 respectively

So shares is distributed in the ratio of efficiency

B's share =  $\frac{3}{11} \times 3850 = 1050$

Similarly C's share =  $\frac{2}{11} \times 3850 = 700$

(B-C)'s shares = 350

## SSC CGL Previous Papers (DOWNLOAD PDF)

**Question 70**

A sum of ₹2000 is invested at compound interest (compounding annually). If the rate of interest is 10% per annum, then what will be the amount after 30 months?

A ₹2524

B ₹2538

C ₹2541

D ₹2532

**Answer: C**

**Explanation:**

30 months = 30 divides 12

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

compound interest =  $P \left(1 + \frac{R}{100}\right)^n$

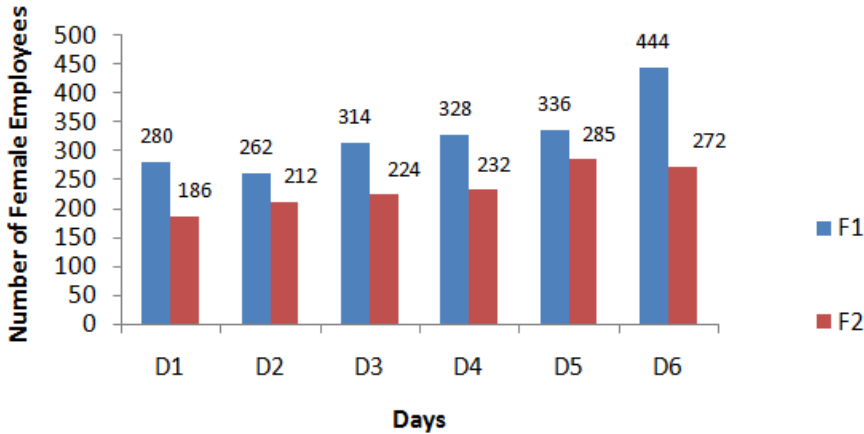
$$= P \left( \left(1 + \frac{R}{100}\right)^2 \times \left(1 + \frac{0.5 \times R}{100}\right)^1 \right)$$

$$2000 \left( \left(1 + \frac{10}{100}\right)^2 \times \left(1 + \frac{0.5 \times 10}{100}\right)^1 \right)$$

$$= 2541$$

Question 71

The Bar graph given below presents the number of female employees working in two factories on six different days of a week.



What is the difference (correct up to two decimal places) in the average number of females working per day in a factory F1 and the average number of females working per day in a factory F2?

- A 125.33
- B 96.25
- C 92.17
- D 87.33

Answer: C

Explanation:

the average number of females working per day in a factory F1

$$\text{avg1} = \frac{280+262+314+328+336+444}{6} = 327.33$$

$$\text{avg1} = \frac{186+212+224+232+285+272}{6} = 235.16$$

$$\text{difference in avg} = 327.33 - 235.16 = 92.17$$

Question 72

A is 20% more than B. B is 25% more than C. C is how much percent less than A?

- A 37.5%
- B 33.33%
- C 50%
- D 66.66%

Answer: B

Explanation:

Consider C=100

$$\text{Given } B = 25\% \text{ more than } C = 100 + (100 \times 25\%)$$

$$= 100 + (100 \times 0.25)$$

$$= 100 + 25$$

$$= 125$$

$$A = 20\% \text{ more than } B$$

$$= 150$$

To find C is how much percent less than A, we have C = 100 and A = 150.

Therefore, we get

$$= \frac{150-100}{150}$$

$$= \frac{50}{150}$$

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

$$= 0.3333$$

$$= 33.33\%$$

## SSC CGL Free Mock Test (Latest Pattern)

### Question 73

The volume of a right circular cone is  $1232 \text{ cm}^3$  and its height is 24 cm. What is its curved surface area?  
(Take  $\pi = \frac{22}{7}$ )

A  $430 \text{ cm}^2$

B  $550 \text{ cm}^2$

C  $354 \text{ cm}^2$

D  $604 \text{ cm}^2$

Answer: B

Explanation:

$$\text{volume of cone} = \frac{1}{3} \times \pi \times r^2 \times h$$

$$1232 = \frac{1}{3} \times \pi \times r^2 \times 24$$

$$r = 7 \text{ cm}$$

$$\text{Curved surface area of cone} = \pi \times r \times l$$

$$L = \sqrt{r^2 + h^2}$$

$$= 25 \text{ cm}$$

$$\text{Curved surface area of cone} = \pi \times 7 \times 25$$

$$= 550 \text{ cm}^2$$

### Question 74

The simple interest on a certain sum for two years at the rate of 20% per annum is ₹250. What is the compound interest (compounded annually) on the same sum for the same period at the same rate of interest?

A ₹275

B ₹750

C ₹550

D ₹900

Answer: A



**Explanation:**

$$S.I = \frac{P \times R \times T}{100}$$

$$250 = \frac{P \times 20 \times 2}{100}$$

$$= 625$$

$$\text{compound interest} + P = P \left(1 + \frac{R}{100}\right)^2$$

$$= 625 \left(1 + \frac{20}{100}\right)^2$$

$$\text{compound interest} + P = \text{Rs}900$$

$$C.I = \text{Rs} 275$$

**Question 75**

The monthly incomes of A and B are in the ratio 3 : 4 and the ratio of their monthly expenditures is 2 : 3. If each saves ₹ 4000 per month, then what is the income of B?

A ₹12000

B ₹14000

C ₹20000

D ₹16000

**Answer: D**

**Explanation:**

profit = income - expenditure

Given that for B = 4 - 3 = 4000

$$1 = 4000$$

$$\text{Income} = 4 \times 4000$$

$$16000$$

## SSC CHSL Free Mock Test (Latest Pattern)

### General knowledge

**Instructions**

For the following questions answer them individually

**Question 76**

Where is the headquarters of 'Bank of Baroda' situated?

A Kolkata

B Pune

C Mumbai

D Vadodara

**Answer: D**

## SSC Stenographer Previous Papers (Latest Pattern)

**Question 77**

As of 2018, the largest producer of cocoa bean is \_\_\_\_\_.

- A Ivory Coast
- B Brazil
- C Cuba
- D India

**Answer: A**

**Question 78**

What was the name of India's lone female orangutan who died in the zoo of Odisha?

- A Ginny
- B Binny
- C Tinny
- D Pinny

**Answer: B**

**Question 79**

Who among the following is a flute player?

- A Zakir Hussain
- B Shiv Kumar Sharma
- C Hariprasad Chaurasia
- D Ravi Shankar

**Answer: C**

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

**Question 80**

According to the Union Budget 2019, the Custom Duty on Gold and other precious metals hiked from 10% to \_\_\_\_\_.

- A 0.125
- B 0.12
- C 0.11
- D 0.105

**Answer: A**

**Question 81**

Which of the following plant is Bryophyte?

- A Cycas
- B Moss
- C Algae
- D Fern

**Answer: B**

**Question 82**

**Which article of Indian Constitution constitutes Abolition of Untouchability?**

- A Article 17
- B Article 16
- C Article 25
- D Article 21

**Answer: A**

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

**Question 83**

**On which of the following river 'Nagarjuna Sagar Dam' is situated?**

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

**Answer: B**

**Question 84**

**The tagline of The UCO Bank is:**

- A Honors Your Trust
- B Good People to bank with
- C Where every individual is committed
- D Faithful And Friendly

**Answer: A**

**Question 85**

**In 15th century, who among the following was one of the leading proponents of Vaishnavism in Assam?**

- A Jayadeva
- B Raidas

C Shankaradeva

D Ghasidas

Answer: C

## SSC CPO Free Mock Test (Latest Pattern)

Question 86

"Long walk to Freedom" is the autobiography of \_\_\_\_\_.

A Abraham Lincoln

B John F Kennedy

C Nelson Mandela

D Kofi Annan

Answer: C

Question 87

How many watts are there in one horsepower?

A 756 Watt

B 746 Watt

C 736 Watt

D 766 Watt

Answer: B

Question 88

Which of the following State Government approved an amendment to factories Act 1948 in June 2019?

A Maharashtra

B Goa

C Gujarat

D Kerala

Answer: B

## SSC MTS Free Preparation App

Question 89

Which of the following Stupa is declared as 'protected area of national importance' in 2019?

A Ramabhar Stupa

B Kesaria Stupa

C Chaukhandi Stupa

D Dhamekh Stupa

Answer: C

Question 90

Who among the following is NOT a Bharat Ratna awardee?

A Shyam Prasad Mukherjee

B M.G.Ramachandran

C Vinoba Bhave

D Morarji Desai

Answer: A

Question 91

Which of the following is the highest peak of Eastern Ghats?

A Anamudi

B Mahendragiri

C Kolaribetta

D Doddabetta

Answer: B

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

Question 92

From which country the Indian Constitution borrowed the provision of Power of Judicial Review and independence of the judiciary?

A Germany

B Japan

C Australia

D USA

Answer: D

Question 93

Which gas is produced when metal reacts with dilute acids?

A Hydrogen

B Nitrogen

C Carbon Dioxide

D Oxygen

Answer: A

**Question 94**

In which of the following states of India is the Moatsu festival celebrated?

- A West Bengal
- B Assam
- C Nagaland
- D Tripura

**Answer: C**

**SSC Exam Free Videos (Youtube)**

**Question 95**

Which of the following eye part is 3D printed by Scientists in 2018?

- A Iris
- B Lens
- C Retina
- D Cornea

**Answer: D**

**Question 96**

Which of the following books is NOT written by Chetan Bhagat?

- A Making India Awesome
- B Wise and Otherwise
- C One Indian Girl
- D Revolution 2020

**Answer: B**

**Question 97**

During Mughal period, the Sanskrit Mahabharata was translated into Persian as:

- A Sahanama
- B Badashahnama
- C Razmnama
- D Tutinama

**Answer: C**

**SSC Study Material**

**Question 98**

In the context of medieval India, which of the following pairs is correct?

- A Marco Polo - Morocco
- B Francois Bernier - Spain
- C Duarte Barbosa - Portugal
- D Al-Biruni -Turkey

**Answer: C**

**Question 99**

Who among the following becomes the fastest batsman to reach 20,000 international runs?

- A MS Dhoni
- B Shikhar Dhawan
- C Virat Kohli
- D Rohit Sharma

**Answer: C**

**Question 100**

As of June 2019, who is the President of Indian Olympic Association?

- A Narendra Batra
- B Rajeev Mehta
- C Narayan Ramachandran
- D Abhay Singh Chautala

**Answer: A**

**SSC Daily Practice Set**

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

**SSC Stenographer Previous Papers (Download PDF)**

**SSC GD Constable Previous Papers**

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

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

[SSC CGL Free Mock Test \(Latest Pattern\)](#)

[SSC CHSL Free Mock Test \(Latest Pattern\)](#)

[SSC Stenographer Previous Papers \(Latest Pattern\)](#)

[SSC GD Constable Free Mock Test \(Latest Pattern\)](#)

[SSC MTS Free Mock Test \(Latest Pattern\)](#)

[SSC CPO Free Mock Test \(Latest Pattern\)](#)

[SSC MTS Free Preparation App](#)

[285 SSC Mocks - Just RS. 249](#)

[SSC Exam Free Videos \(Youtube\)](#)

[SSC Study Material](#)

[SSC Daily Practice Set](#)

[SSC GK Free Tests](#)

[SSC GK Questions](#)

[Current Affairs Question and Answers \(Download PDF\)](#)

[Daily and Monthly Current Affairs \(Download PDF\)](#)