



SSC MTS 6th August 2019 Shift-3

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Instructions

For the following questions answer them individually

Question 1

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**.

Luckily we have got the few minutes to spare.

- A No Improvement
- B a little
- C quite few
- D a few

Answer: D

SSC CHSL Previous Papers (DOWNLOAD PDF)

Question 2

Select the most appropriate meaning of the given idiom.

To pick up the threads

- A To examine an issue seriously
- B Being received very warmly
- C To restart from the previous closing point
- D At a short distance

Answer: C

Question 3

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

He has deposits all his money in banks. /No error

- A No error
- B up all his
- C He has deposits
- D money in banks

Answer: C

Question 4

Select the most appropriate synonym of the given word.

Profuse

- A Thrifty
- B Sparse

- C Aplenty
- D Scarce

Answer: C

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'.
Her relatives were presented at the station to see her off. /No error

- A to see her off
- B Her relatives were
- C presented at the station
- D No error

Answer: C

Question 6

Choose the correctly spelt word.

- A Noticeable
- B Noticable
- C Nauticable
- D Noteceable

Answer: A

Question 7

Select the most appropriate option to fill in the blank.
Your answer book will be _____ by a computer.

- A evaluated
- B submitted
- C replied
- D tested

Answer: A

SSC GD Constable Previous Papers

Question 8

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.
Friends stand by each other on time of need.

- A for time

- B in times
- C No Improvement
- D of times

Answer: B

Question 9

Select the most appropriate option to fill in the blank.

He is addicted to alcohol and exerts a bad influence _____ his family.

- A for
- B on
- C about
- D in

Answer: B

Instructions

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

Question 10

Killing of pests

- A Herbicide
- B Suicide
- C Pesticide
- D Patricide

Answer: C

SSC MTS Previous Papers (DOWNLOAD PDF)

Question 11

A group of ships

- A Fleet
- B Bevy
- C Suite
- D Army

Answer: A

Instructions

For the following questions answer them individually

Question 12

Select the most appropriate antonym of the given word.

Relaxed

- A Calm
- B Arrogant
- C Peaceful
- D Tense

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.

In his coming film the Spider-Man will be seen in European cities.

- A was seen
- B No Improvement
- C has seen
- D had been seen

Answer: B

SSC CGL Previous Papers (DOWNLOAD PDF)

Question 14

Select the most appropriate meaning of the given idiom.

sail in the same boat

- A pay a very low price for something
- B be in the same situation as others
- C be in heavy debt
- D go for a boat ride

Answer: B

Question 15

Choose the correctly spelt word.

- A Pasenger
- B Passinger
- C Passenger
- D Passenger

Answer: D

Question 16

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

He went up to her and asks her why she had insulted him. /No error

- A He went up to her
- B No error
- C she had insulted him
- D and asks her why

Answer: D

SSC CGL Free Mock Test (Latest Pattern)

Question 17

Select the most appropriate option to fill in the blank.
Raja _____ the house before Hari got there.

- A left
- B had left
- C will leave
- D leaves

Answer: B

Question 18

Select the most appropriate synonym of the given word.
Rectify

- A Raid
- B Bend
- C Folly
- D Amend

Answer: D

Question 19

Select the most appropriate option to fill in the blank.
The teacher was very _____ in his subject.

- A top
- B master
- C proficient
- D best

Answer: C

SSC CHSL Free Mock Test (Latest Pattern)

Question 20

Select the most appropriate antonym of the given word.

Steep

- A Flat
- B Shallow
- C Rough
- D Narrow

Answer: A

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 Thane Municipal Transport (TMT) has seen a 6% drop (1)___ passenger density after the Brihanmumbai Electric Supply and Transport (BEST) reduced (2)___ bus fares recently. The drop, though small is enough to set the (3)___ bells ringing. TMT plies nearly 300 buses and is already facing (4)___ in managing regular schedules. The ticket cost cut by BEST (5)___ TMT routes that overlap that of the BEST.

Question 21

Select the most appropriate option for blank No. 1.

- A in
- B of
- C on
- D from

Answer: A

Question 22

Select the most appropriate option for blank No. 2.

- A his
- B its
- C it's
- D her

Answer: B

SSC Stenographer Previous Papers (Latest Pattern)

Question 23

Select the most appropriate option for blank No. 3.

- A clock-tower
- B alarm

C church

D temple

Answer: B

Question 24

Select the most appropriate option for blank No. 4.

A difficulties

B consequences

C facilities

D differences

Answer: A

Question 25

Select the most appropriate option for blank No. 5.

A has impacting

B impacting

C impact

D has impacted

Answer: D

SSC GD Constable Free Mock Test (Latest Pattern)

Reasoning

Instructions

For the following questions answer them individually

Question 26

By interchanging which two signs the equation will be correct?

$$6 + 9 \times 2 - 3 \div 4 = 8$$

A $-$ and \div

B $-$ and $+$

C $+$ and \div

D \div and \times

Answer: A

Explanation:

$$6 + 9 \times 2 - 3 \div 4 = 8$$

this results in a fraction so in order to get a whole number which is 8 it is important to place divide symbol such that a whole number is obtained

now if $-$ and \div is interchanged 9 gets divided by 3 thus resulting in a whole number

$6 + 9 \times 2 \div 3 - 4$ (using BODMAS rule)

$$6 + \frac{9 \times 2}{3} - 4$$

$$= 6 + 6 - 4 = 8$$

SSC MTS Free Mock Test (Latest Pattern)

Question 27

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

16 : 9 :: 36 : ?

A 17

B 19

C 23

D 11

Answer: B

Explanation:

16 : 9 :: 36 : ?

$$16 + 2 = 18 \text{ and } 18 \div 2 = 9$$

in the same way

$$36 + 2 = 38 \text{ and } 38 \div 2 = 19$$

Hence 19 is the answer

Question 28

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. No T is L.

II. All L are K.

Conclusions:

I. Some K are L.

II. Some K are T.

III. No K is L.

A Both conclusion II and III follows

B Neither conclusion follow

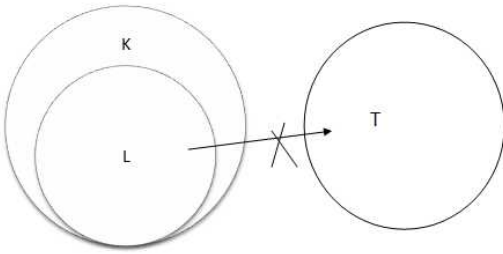
C Only conclusion II follows

D Only conclusion I follows

Answer: D

Explanation:

basic diagram



Conclusions:

- I. Some K are L is correct
 - II. Some K are T is incorrect (as from the diagram some K's are not T and also an alternative diagram can be made with some K's are T's)
 - III. No K is L is incorrect
- only conclusion I follows

Question 29

Five boys J, K, L, M and T are standing in a queue one after the other (not necessarily in the same order). There is only one boy between K and J. There is only one boy between K and L. There are four boys behind J. T is three places ahead of L. How many boys are ahead of M ?

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

Answer: A

Explanation:

using the statement

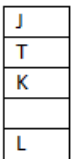
There are four boys behind J



T is three places ahead of L



There is only one boy between K and J and There is only one boy between K and L



completing the queue

J
T
K
M
L

There are 3 boys ahead of M

SSC CPO Free Mock Test (Latest Pattern)

Question 30

By interchanging which two numbers, the value obtained after solving the given equation will be '13'?

$$7 + 8 \div 4 \times 3$$

- A 8 and 3
- B 8 and 4
- C 7 and 3
- D 3 and 4

Answer: A

Explanation:

going by the options

A) 8 and 3

$$7 + 3 \div 4 \times 8 = 7 + \frac{8}{4} \times 3 = 7 + 6 = 13 \text{ (Option A is correct)}$$

B) 8 and 4

$$7 + 4 \div 8 \times 3 = 7 + \frac{4}{8} \times 3 = 7 + \frac{3}{2} = \frac{17}{2} \text{ (option B is incorrect)}$$

c) 7 and 3

$$3 + 8 \div 4 \times 7 = 3 + \frac{8}{4} \times 7 = 3 + 14 = 17 \text{ (option C is incorrect)}$$

d) 3 and 4

$$7 + 8 \div 3 \times 4 = 7 + \frac{8}{3} \times 4 = 7 + \frac{32}{3} = \frac{53}{3} \text{ (option D is incorrect)}$$

Question 31

Six cameras G, H, P, S, K and I are placed in a row facing towards north (Not necessarily in the same order). S is placed second to the left of I. H is placed second to the right of G. K is placed third to the left of G. Which of the following statement is correct about camera I ?

- A I is not the immediate neighbour of H
- B I is between G and S
- C P is third to left of I
- D I is to the immediate left of G

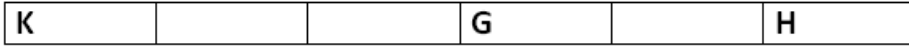
Answer: C

Explanation:

using the statements

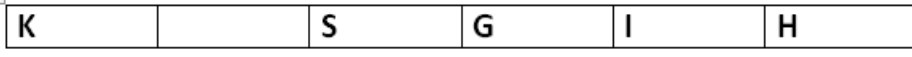
H is placed second to the right of G.

K is placed third to the left of G.

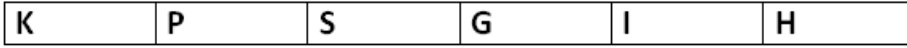


now

S is placed second to the left of I



now only one place left so put P there



options

I is not the immediate neighbor of H is incorrect

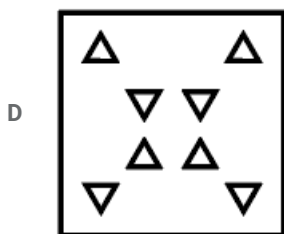
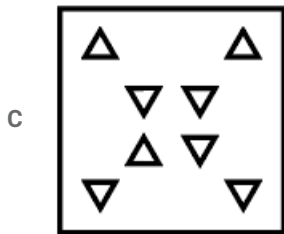
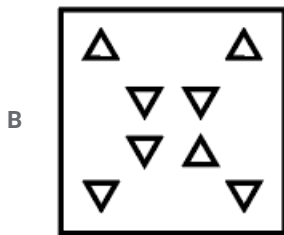
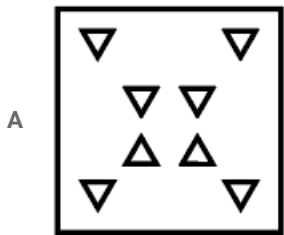
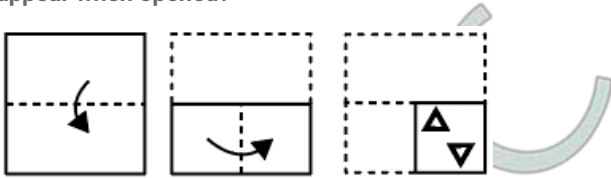
I is between G and S is incorrect

P is third to left of I is correct

I is to the immediate left of G is incorrect

Question 32

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

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Question 33

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

5	1	3
9	9	4
6	?	7
29	22	18

A 5

B 3

C 6

D 4

Answer: B

Explanation:

consider the first column

here add $5 + 6 + 2 \times 9 = 29$

now consider the last column

here add $3 + 7 + 2 \times 8 = 18$

following the same pattern

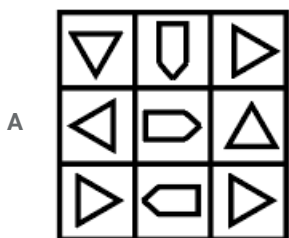
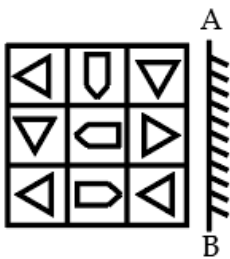
we get $1 + x + 2 \times 9 = 22$

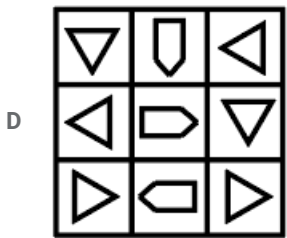
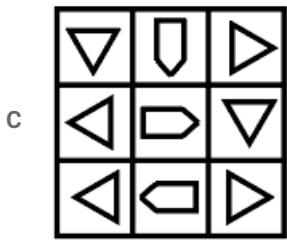
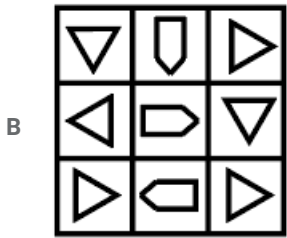
$x + 19 = 22$

$x = 3$

Question 34

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

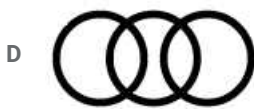
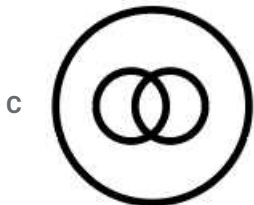
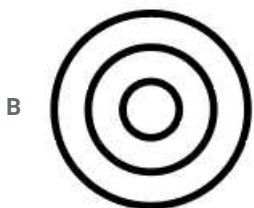




Answer: B

Question 35

Identify the diagram that best represents the relationship among the given classes.
Pentagon, Hexagon, Figure



Answer: A

Question 36

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 numbers are letters.
- II. No letter is water.

Conclusions:

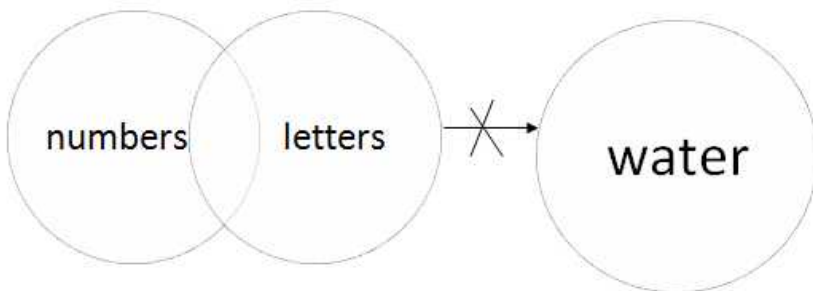
- I. Some water are numbers.
- II. Some letters are number.
- III. All letters are water.

- A Both conclusion I and III follows
- B Only conclusion I follows
- C Only conclusion II follows
- D Neither conclusion follow

Answer: C

Explanation:

basic diagram



conclusion 1 some water are number is incorrect
 conclusion 2 some letters are numbers is correct
 conclusion 3 all letters are water is incorrect
 thus only conclusion 2 follows

Question 37

In a certain code language, 'JAN' is written as '25', 'WED' is written as '32'. What is the code for 'SEP' in that code language?

- A 38
- B 39
- C 40
- D 41

Answer: C

Explanation:

In a certain code language, 'JAN' is written as '25', 'WED' is written as '32'. What is the code for 'SEP' in that code language?

Put numbers corresponding to the letters of alphabet (A-1,B-2 , C-3 X-24,Y-25,Z-26)

now J-10, A-1, N-14

adding $10+1+14 = 25$

similarly W-23, E-5, D-4 adding $23+5+4 = 32$

now

S-19, E-5, P-16

adding $19+5+16 = 40$

Question 38

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

LP, MR, ?, OV, PX

A MT

B NU

C MU

D NT

Answer: D

Explanation:

LP, MR, ?, OV, PX

difference between 1st letter of the series is 1, letters in the series is increasing by 1 {L,M,N,O,P}

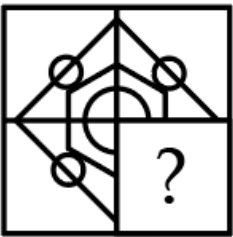
now difference between 2nd letter of the series is 2 {P,R,T,V,X}

therefore missing number is NT

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Question 39

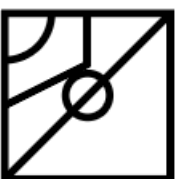
Study the given pattern carefully and select the figure that will complete the pattern given in the question figure.



A



B



C



D



Answer: D

Question 40

In a certain code language, 'DRAUGH' is written as 'LKYEVBH'. What is the code for 'MAHTOS' in that code language?

A WSXLFQ

B XTYMER

C WSXLEQ

D XTYMFR

Answer: C

Explanation:

The letters of alphabet is written corresponding to the number {A-1,B-2,C-3,D-4,E-5,F-6 X-24,Y-25,Z-26}

'DRAUGH' is written as 'LKYEVBH'

now add 4 to each numerical value of each letter

D(4) + 4 = 8 (H) { we know H is 8}

R(18) + 4 = 22(V)

A(1) + 4 = 5 (E)

U(21) + 4 = 25 (Y)

G(7) + 4 = 11 (K)

H(8) + 4 = 12 (L)

we obtained "HVEYKL" now reverse this to get the answer "LKYEVBH"

following the same pattern

MAHTOS

adding 4 to each letter

M(13) + 4 = 17(Q)

A(1) + 4 = 5(E)

H(8) + 4 = 12(L)

T(20) + 4 = 24(X)

O(15) + 4 = 19(S)

S(19) + 4 = 23(W)

we get "QELXSW" now reverse it we get

WSXLEQ

Question 41

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

Rainbow : Sky :: Tsunami : ?

- A Pond
- B Sea
- C Land
- D Atmosphere

Answer: B

Explanation:

rainbow occurs in the sky in the same way tsunami occurs in the sea

option b is correct

SSC Study Material

Question 42

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

12, 12, 24, 72, 288, ?

- A 1228
- B 1440
- C 1680
- D 1448

Answer: B

Explanation:

12, 12, 24, 72, 288, ?

$$12 \times 1 = 12$$

$$12 \times 2 = 24$$

$$24 \times 3 = 72$$

$$72 \times 4 = 288$$

$$288 \times 5 = 1440$$

Question 43

In a certain code language, 'MOTHER' is written as 'TOMREH'. What is the code for 'STORME' in that code language?

- A OUSEMR
- B EMROTS
- C MROTES
- D OTSEMR

Answer: D

Explanation:

'MOTHER'

divide it into 2 parts "MOT" and "HER"

now write each of the parts in Reverse order

"MOT" becomes "TOM"

"HER" becomes "REH"

combine the 2 parts we get "TOMREH"

following the above pattern

'STORME'

divide it into two parts "STO" and "RME"

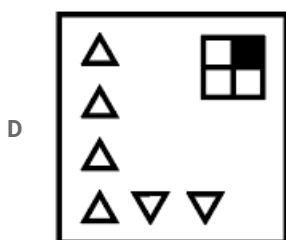
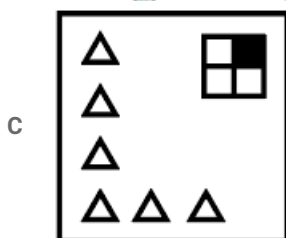
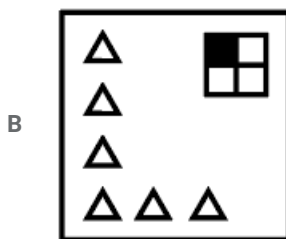
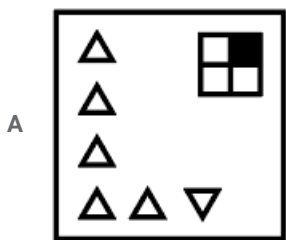
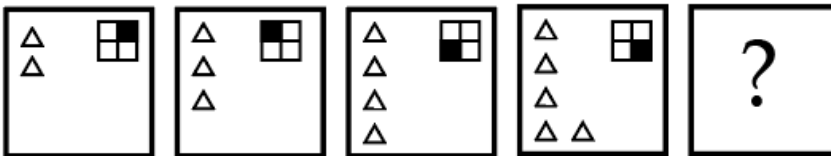
now reverse each of the parts

we get "OTS" and "EMR"

combine them we get "OTSEMR"

Question 44

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



Answer: C

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Question 45

In a certain code language, 'ROCKS' is written as '82649', 'MENTR' is written as '01578'. What is the code for 'TROMN' in that code language?

- A 78205
- B 78203
- C 76205
- D 70581

Answer: A

Explanation:

R corresponds to 8, O corresponds to 2, C corresponds to 6, K corresponds to 4, S corresponds to 9

similarly M-0, E -1, N-5, T-7, R-8

now

T-7

R-8

O-2

M-0

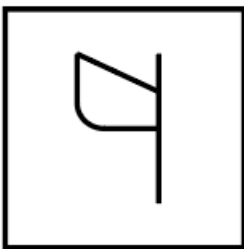
N-5

Question 46

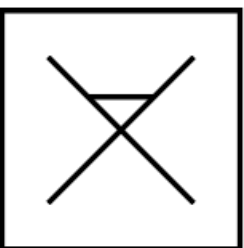
From the given answer figures, select the one in which the question figure is hidden/embedded. (Rotation not allowed)



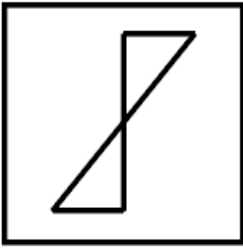
A



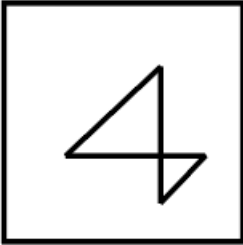
B



C



D



Answer: C

Question 47

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

16, 49, 149, 450, 1354, ?

A 4067

B 4062

C 4066

D 4068

Answer: A

Explanation:

16, 49, 149, 450, 1354

$$16 \times 3 + 1 = 48 + 1 = 49$$

$$49 \times 3 + 2 = 147 + 2 = 149$$

$$149 \times 3 + 3 = 447 + 3 = 450$$

$$450 \times 3 + 4 = 1350 + 4 = 1354$$

$$1354 \times 3 + 5 = 4062 + 5 = 4067$$

SSC GK Free Tests

Question 48

In the following question, select the related letters from the given alternatives.

JRM : DLG :: TNL : ?

A NHF

B NHE

C MHF

D MHE

Answer: A

Explanation:

Each letter of the alphabet has corresponding number { A-1, B-2, C-3, D-4, E-5 X-24, Y-25, Z-26 }

JRM : DLG

Mapping J(10) to D(4) { difference between them is 6 }

Mapping R(18) to L(12) { difference between them is 6 }

Mapping M(13) to G(7) { difference between them is 6 }

now following the same pattern as above we get

T (20) - 6 = 14 (N)

N(14) - 6 = 8 (H)

L (12) - 6 = 6(F)

hence

TNL: NHF

Question 49

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

Hold : Tongs :: Dig : ?

- A pen
- B Gutter
- C spoon
- D Hoe

Answer: D

Question 50

Six players C, E, G, I, K and M are standing in a row facing towards north (Not necessarily in the same order). Two players are standing between C and M. I is standing to the immediate left of C. E is standing second to the left of G. K is third to the right of G. Who is standing second to the right of I?

- A E
- B M
- C K
- D C

Answer: C

Explanation:

From the given statement, E is standing second to the left of G and K is standing third to the right of G, hence the only possibility that we will have is.



Now I is standing immediate left of C so, I and C are immediate neighbours. Only one place is left which would be beside G. Also, the person left is M who will be placed beside E.

Hence the final arrangement is as follows.



Hence, K is standing second right of I.

SSC GK Questions

Quant

Instructions

For the following questions answer them individually

Question 51

If $X : Y = 13 : 12$ and $X - Y = 2$, then what is value of $2X + 3Y$?

- A 144
- B 120
- C 124
- D 136

Answer: C

Explanation:

Given $\frac{X}{Y} = \frac{13}{12}$

$$X - Y = 2 \text{ OR } X = Y + 2$$

Putting the X value in the above equation we get,

$$\frac{Y+2}{Y} = \frac{13}{12}$$

$$12 \times Y + 24 = 13 \times Y$$

$$\text{So, } Y = 24 \text{ and } X = Y + 2 = 26$$

$$\text{So, } 2X + 3Y = 2 \times 26 + 3 \times 24$$

$$\Rightarrow 52 + 72 = 124.$$

Current Affairs Question and Answers (Download PDF)

Question 52

The radii of a right circular cone and a right circular cylinder are in the ratio 2 : 3. If the ratio of the heights of the cone and the cylinder is 3 : 4, then what is the ratio of the volumes of the cone and the cylinder?

- A 1 : 6
- B 1 : 3
- C 1 : 9
- D 2 : 3

Answer: C

Explanation:

$$\text{Volume of right circular cylinder} = \frac{1}{3} \pi \times r_1^2 h_1$$

$$\text{Volume of right circular cone} = \pi \times r_2^2 h_2$$

,where r_1, h_1 and r_2, h_2 is radius and height of cylinder and cone respectively.

$$\text{The given ratio of radius of cone to cylinder} = \frac{2}{3}$$

The given ratio of heights of cone to cylinder = $\frac{3}{4}$

Putting this in the formula we get the ratio of right circular cone to right circular cylinder = $\frac{(\frac{1}{3}\pi \times r_1^2 h_1)}{(\pi \times r_2^2 h_2)}$

$$\Rightarrow \frac{(\frac{1}{3}\pi \times 2^2 \times 3)}{(\pi \times 3^2 \times 4)}$$

After solving we get $\frac{4}{36}$

Hence, the ratio of area of right circular cone to right circular cylinder is = $\frac{1}{9}$

Question 53

Average age of 9 men is 45 years. If age of one woman is included, then the average age becomes 44 years. What is the age of the woman?

- A 44 years
- B 30 years
- C 40 years
- D 35 years

Answer: D

Explanation:

Average formula = $\frac{\text{Sum of the ages of the total number of person}}{\text{Total number of persons}}$

Here, the total age of 9 men = $45 \times 9 = 405$ years.

When one woman is included then the total number of person becomes 10, hence total age of all persons = $44 \times 10 = 440$ years

So the age of woman = $440 - 405 = 35$ years.

Question 54

P sold an article to Q at a profit of 20%. Q sold the same article to R at a loss of 25%. R sold the same article to T at a profit of 50%. If P bought the article at ₹100, then at what price did T buy that article?

- A ₹145
- B ₹125
- C ₹115
- D ₹135

Answer: D

Explanation:

As given the CP for P = 100.

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

Q bought the article from P at 20% profit i.e. CP for Q = $100 + (20\% \text{ of } 100) = 100 + 20 = 120$

R bought the article from Q at loss of 25% i.e. CP for R = $120 - 25\% \text{ of } 120 = 120 - 30 = 90$

Finally, T bought the same article at the profit of 50% from R i.e. $90 + 50\% \text{ of } 90 = 90 + 45 = 135$.

Hence option (D) will be correct.

Daily and Monthly Current Affairs (Download PDF)

Question 55

What is the value of $(6 \text{ of } 4 \div 16 \times 48) \div 8 \times 4 + 2 \times 3 \div 6 + 5(6 - 2)$?

- A 63
- B 79
- C 67
- D 57

Answer: D

Question 56

₹480 is invested at simple interest. It becomes ₹520 after 20 months. What is the interest rate per annum?

- A 6%
- B 5%
- C 8%
- D 4%

Answer: B

Explanation:

$SI = \frac{PRT}{100}$ where, P is principle amount, R is rate of interest, T is time period.

According to the question, in 20 months interest is $520 - 480 = 40$

So, from formula $40 = 480 \times \frac{(20R)}{100}$

$\Rightarrow R = \frac{5}{12}$, So for getting rate of interest per annum we have to divide the interest by 12.

Hence, rate of interest per annum = $\frac{5}{12} \times 12 = 5\%$

Question 57

The monthly incomes of A and B are ₹12000 and ₹15000 respectively. The monthly expenditure of A is ₹8000. If the ratio of the monthly expenditures of A and B is 2 : 3, then what is the sum of their monthly savings?

- A ₹7000
- B ₹8000
- C ₹5000
- D ₹6000

Answer: A

Explanation:

Total Income = Total Expenditure + Total Saving

As given the total income of A is 12000 and total expenditure is 8000,

So, Total saving of A = $12000 - 8000 = 4000$.

Given Ratio of monthly expenditure of A and B = 2:3

therefore, from this we get monthly expenditure of B = $\frac{3}{2} \times 8000 = 12000$.

From question we know that monthly income of B is 15000.

So, Total savings of B = 15000 - 12000 = 3000.

Hence the total savings of A and B = 3000 + 4000 = 7000.

option (a) is correct.

SSC CHSL Previous Papers (DOWNLOAD PDF)

Question 58

The area of a rhombus is 300 cm^2 . If the length of one of the diagonals of the rhombus is 30 cm, then what is the length (in cm) of the second diagonal?

- A 25
- B 10
- C 20
- D 30

Answer: C

Explanation:

The area of rhombus is given as $\text{Area} = \frac{D_1 D_2}{2}$,

where D_1 and D_2 are the diagonals of the rhombus.

So, given area = 300 and one of the diagonal let $D_1 = 30$

From the formula we get, $300 = \frac{30 D_2}{2}$

$\Rightarrow D_2 = 20$.

Hence the length of the another diagonal is 20.

Question 59

If the height of an equilateral triangle is $20\sqrt{3}$ cm, then what is its area (in cm^2)?

- A $\frac{800}{3}$
- B $\frac{1}{3} 400\sqrt{3}$
- C $\frac{1}{3} 800\sqrt{3}$
- D $\frac{400}{3}$

Answer: C

Question 60

A number is first increased by 40% and then it is increased by 30%. What is the net percentage increase?

- A 82%
- B 96%
- C 72%
- D 70%

Answer: A

Explanation:

Let the number be 100

So when it is increased by 40 % then it becomes = 140.

Again it is increased by 30 % then it becomes = 30 % of 140 + 140 = 42 + 140 = 182

Hence, the net percentage change in the number is $\frac{182-100}{100} = 82\%$.

SSC Stenographer Previous Papers (Download PDF)

Question 61

Ravika alone can complete three-fifth of a work in 105 days. Mallika can complete one-third of work in 50 days. In how many days Ravika and Mallika working together, can complete $\frac{26}{35}$ of the work?

- A 63 days
- B 70 days
- C 60 days
- D 80 days

Answer: C

Explanation:

Ravika can alone complete three-fifth of work in 105 days.

Time taken by Ravika to complete the work = $\frac{5}{3} \times 105 = 175$

Similarly, Time taken by Mallika to complete the work = $\frac{3}{1} \times 50 = 150$

Taking LCM of (175,150) we get 1050.

Hence the work capacity of Ravika = $\frac{1050}{175} = 6$

The work capacity of Mallika = $\frac{1050}{150} = 7$

The total work capacity of Ravika and Mallika = 7 + 6 = 13.

So the total time taken for completing $\frac{26}{35}$ of work = $\frac{35}{26} \times 13 = 60$ days.

Question 62

The speed of a car is 36 km/h. How much time(in minutes) will a bus traveling at one-fifth of the speed of the car take to cover a distance of 900 m?

- A 7 min
- B 7.5 min
- C 8 min
- D 8.5 min

Answer: B

Explanation:

The speed of the car = 36 km/hr = $36 \times \frac{5}{18}$
= $10 \frac{m}{s}$

From the question the bus is travelling at one-fifth of car speed i.e. $2 \frac{m}{s}$

Now, from the formula Speed = $\frac{\text{distance}}{\text{time}}$

the time taken to reach 900m by bus = $\frac{900}{2} = 450$ sec or 7 min 30 sec or 7.5 min.

Question 63

What is the least number of four digits which is exactly divisible by 2, 4, 6 and 8?

- A 1016
- B 1024
- C 1008
- D 1096

Answer: C

Explanation:

For a number to be divisible 2,4,6,8 should be multiple of 2 and 3,as numbers 2,4,8 have common factor 2 and number 6 is a multiple of 2 and 3.

So, from the options given we get 1008 as a multiple of 2 and 3 both.

Hence option C is a correct choice

SSC GD Constable Previous Papers

Question 64

Average of 50 numbers was calculated as 20 when three numbers, 26, 36 and 64 were wrongly read as 31, 46 and 59 respectively. What is the correct average?

- A 26.2
- B 19.8
- C 20.2
- D 24.4

Answer: B

Explanation:

Average formula = $\frac{\text{Sum of all observations}}{\text{Total number of all observations}}$

As given the average of 50 numbers is 20 ,i.e. sum of total numbers is $20 \times 50 = 1000$.

Sum of wrongly taken numbers = $31+46+59=136$

Sum of correct numbers = $26+36+64 = 126$

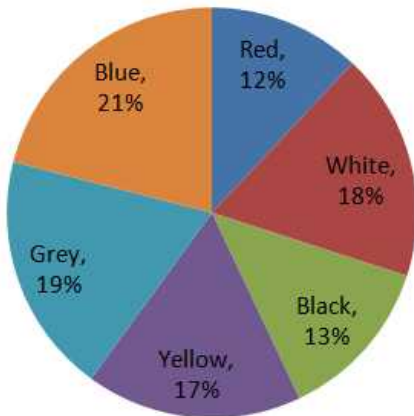
Hence, the actual change in the observation will be $126-136=(-10)$

Now the actual sum of all observations is $1000-10=990$

New actual average will be now = $\frac{990}{50} = 19.8$.

Question 65

The Pie chart given below presents the percentages of the number of motor cycles of different colours out of the total number of motor cycles, parked in an area. The central angles shown in the Pie chart are not as per any chosen scale.



What is the central angle (nearest to one degree) corresponding to the motor cycle of black colour?

- A 44
- B 45
- C 46
- D 47

Answer: D

Question 66

The data below shows the number of batsmen having different batting averages.

Average	Number of batsmen
40-44	12
44-48	10
48-52	8
52-56	6
56-60	4

What is the mean batting average per batsman?

- A 48
- B 47
- C 46
- D 45

Answer: A

SSC MTS Previous Papers (DOWNLOAD PDF)

Question 67

Mohit is five times efficient as Rohit. If Mohit can complete a piece of work in 28 days less than Rohit, then in how many days can Rohit alone complete the same work?

- A 35 days

- B 32 days
- C 45 days
- D 40 days

Answer: A

Explanation:

Let the efficiency of Rohit and Mohit be x and $5x$ respectively.

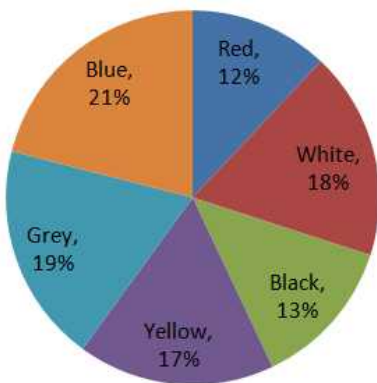
So according to the question we have difference in the working days between Rohit and Mohit which is 28 which can be comparable to the efficiency of both the persons.

Hence, $5x - x = 28$; $x=7$.

So, the number of days taken by Rohit will be $5x = 5 \times 7 = 35$ days.

Question 68

The Pie chart given below presents the percentages of the number of motor cycles of different colours out of the total number of motor cycles, parked in an area. The central angles shown in the Pie chart are not as per any chosen scale.



If the total number of motor cycles parked is 2300, then what is the number of red colour motor cycles out of them?

- A 284
- B 288
- C 280
- D 276

Answer: D

Question 69

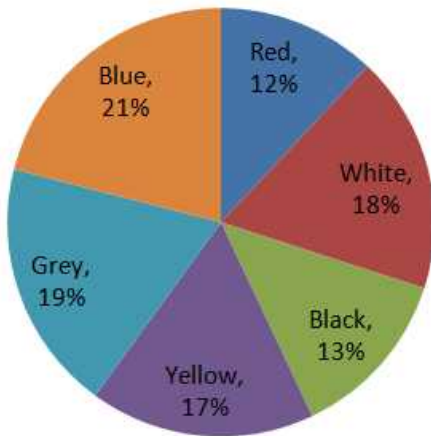
A sum of ₹2400 becomes ₹3600 in 6 years at a certain rate of compound interest (compounded annually). What will be the amount after 12 years at the same rate of interest?

- A ₹6000
- B ₹4800
- C ₹5400
- D ₹4500

Answer: C

Question 70

The Pie chart given below presents the percentages of the number of motor cycles of different colours out of the total number of motor cycles, parked in an area. The central angles shown in the Pie chart are not as per any chosen scale.



If the total number of motor cycles parked is 2300, the number having white colour is how much less than those having the blue colour?

- A 66
- B 72
- C 63
- D 69

Answer: D

Question 71

A train, 700 m long crosses a pole in 35 seconds. How much time does it take to cross a platform of length 740 m?

- A 1 min 24 sec
- B 1 min 30 sec
- C 1 min 12 sec
- D 1 min 20 sec

Answer: C

Explanation:

Let the speed of the train be $x \frac{m}{s}$

From the formula we have, speed = $\frac{\text{distance}}{\text{time}}$

$$\text{So, } x = \frac{700}{35} = 20 \frac{m}{s}$$

Time taken by the train to cross a platform of 740 m will be = $\frac{\text{total distance}}{\text{total speed}}$

$$\Rightarrow \frac{(700+740)}{20} = 72 \text{ sec or } 1 \text{ min } 12 \text{ sec.}$$

Question 72

If the selling price of an article is 25% of its cost price, then what will be the loss percentage?

- A 25%
- B 60%

C 75%

D 50%

Answer: C

Explanation:

Let the CP of the article be 100.

According to the question, SP of the article is 25 % of CP of the article , i.e. SP= 25

Hence, Loss = $\frac{CP-SP}{CP} = 100-25 = 75$

Loss % = 75 %.

SSC CGL Free Mock Test (Latest Pattern)

Question 73

A trader marked up his articles 25% more than the cost price. If he offered a discount of 10%, then what will be his profit percentage?

A 10%

B 12.5%

C 25%

D 37.5%

Answer: B

Explanation:

Let the CP of the article be 100.

According to the question, MP of the article is 25 % above CP of the article , i.e. MP= 125

After the Discount of 10 % on MP we get SP = 112.5

Hence, Profit = $\frac{SP-CP}{CP} = 112.5 - 100 = 12.5$

Profit % = 12.5 %.

Question 74

The ratio of the ages of two persons is 3 : 4. If the age of one of them is greater than the other by 8 years, then what is the sum of their ages?

A 54 years

B 58 years

C 60 years

D 56 years

Answer: D

Explanation:

Let the ages of both the persons to be x and y. Then,

$$\frac{x}{y} = \frac{3}{4}$$

$$x = 3 \times \frac{y}{4},$$

$$x = y+8,$$

putting x value in the given equation we get x=24 and y=32.

Hence total ages of x and y = 24 + 32 = 56.

Question 75

What is the value of $4 \div \left(2 + \frac{1}{16}\right) + 3 \text{ of } 9 \div \left(\frac{1}{3} - \frac{11}{81}\right) + 4 \times \frac{2}{3}$?

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

Answer: A

Explanation:

$$4 \div \left(2 + \frac{1}{16}\right) + 3 \text{ of } 9 \div \left(\frac{1}{3} - \frac{11}{81}\right) + 4 \times \frac{2}{3}$$

$$\Rightarrow 4 \div \left(\frac{32}{16} + \frac{1}{16}\right) + 3 \text{ of } 9 \div \left(\frac{27}{81} - \frac{11}{81}\right) + 4 \times \frac{2}{3}$$

$$\Rightarrow 4 \times \frac{16}{33} + 3 \times \frac{8}{10} + 4 \times \frac{2}{3}$$

$$\Rightarrow \frac{64}{3} + 2 + \frac{8}{3}$$

$$\Rightarrow 3.$$

SSC CHSL Free Mock Test (Latest Pattern)

General knowledge

Instructions

For the following questions answer them individually

Question 76

'Dhansiri' is the tributary of which of the following river?

- A Ganga
- B Narmada
- C Brahmaputra
- D Indus

Answer: C

SSC Stenographer Previous Papers (Latest Pattern)

Question 77

'Kajri' folk song is related to which of the following state?

- A Maharashtra
- B Uttar Pradesh
- C Himachal Pradesh
- D Rajasthan

Answer: B

Question 78

'Rani ki vav' motif is present on which of the following currency notes?

- A 50 Rupee Note
- B 200 Rupee Note
- C 10 Rupee Note
- D 100 Rupee Note

Answer: D

Question 79

Who has been appointed as the Managing Director and Chief Financial Officer of World Bank in July 2019?

- A P.S.Jaykumar
- B Anshula Kant
- C Ravneet Gill
- D Amitabh Chaudhry

Answer: B

SSC GD Constable Free Mock Test (Latest Pattern)

Question 80

Which of the following Articles is related to Jammu & Kashmir state of India?

- A Article 378
- B Article 374
- C Article 370
- D Article 366

Answer: C

Question 81

According to the Census 2011, what is the literacy rate of India?

- A 0.7404
- B 0.9401
- C 0.644
- D 0.8402

Answer: A

Question 82

Which of the following ions are responsible for hardness of water?

- A Sodium and Magnesium ions
- B Calcium and Magnesium ions
- C Potassium and Calcium ions
- D Sodium and Calcium ions

Answer: B

SSC MTS Free Mock Test (Latest Pattern)

Question 83

When was the first amendment made to the Indian Constitution?

- A 1954
- B 1951
- C 1953
- D 1952

Answer: B

Question 84

In which of the following state of India the only floating park in the world is situated?

- A Meghalaya
- B Manipur
- C Tripura
- D Assam

Answer: B

Question 85

When did the Non-Cooperation Movement end?

- A 1930
- B 1925
- C 1922
- D 1920

Answer: C

SSC CPO Free Mock Test (Latest Pattern)

Question 86

Which of the following is the traditional theatre of Jammu and Kashmir?

- A Jatra
- B Swaang
- C Maach
- D Bhand Pather

Answer: D

Question 87

The concept of 'The Four Noble Truths' belongs to which of the following religions?

- A Jainism
- B Sikhism
- C Hinduism
- D Buddhism

Answer: D

Question 88

Who among the following received Rajiv Gandhi Khel Ratna Award 2018 in weight lifting?

- A Mirabai Chanu
- B Karnam Malleswari
- C Swati Singh
- D Sanjita Chanu

Answer: A

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Question 89

Who among the following has the power to promulgate ordinance?

- A Prime Minister
- B President
- C Chief Justice of Supreme Court
- D Defence Minister

Answer: B

Question 90

Who is the inventor of Dynamite?

- A Alfred Nobel
- B Marie Currie
- C Robert Oppenheimer
- D Otto Hahn

Answer: A

Question 91

'Equus caballus' is the scientific name of which of the following animals?

- A Cheeta
- B Horse
- C Wild Ass
- D Zebra

Answer: B

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Question 92

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

- A P. V. Bharti
- B Shyam Srinivasan
- C Pallav Mohapatra
- D T. N. Manoharan

Answer: C

Question 93

Which of the following award is given to a University for its all-round good performance in sports?

- A Maulana Abul Kalam Azad Trophy
- B Dhyanchand Award
- C Arjuna Award
- D Dronacharya Award

Answer: A

Question 94

Which of the following Vitamin is related to Osteoporosis?

- A Vitamin B
- B Vitamin A

C Vitamin C

D Vitamin D

Answer: D

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Question 95

Who was the Mughal emperor during the 1857 revolt in India?

A Shah Alam II

B Alamgir II

C Bahadur Shah II

D Akbar Shah II

Answer: C

Question 96

In which union territory of India, Bastille Day is celebrated?

A Lakshadweep

B Daman & Diu

C Dadra and Nagar Haveli

D Puducherry

Answer: D

Question 97

Which of the following is a Communicable disease?

A Measles

B Asthma

C Diabetes

D Alzheimer

Answer: A

SSC Study Material

Question 98

Who is the writer of the book 'Thoughts on Pakistan'?

A Muhammad Ali Jinnah

B Dr. B.R. Ambedkar

C Mahatma Gandhi

D Rajendra Prasad

Answer: B

Question 99

Dipa Karmakar is associated with which of the following sports?

A Golf

B Gymnastics

C Tennis

D Badminton

Answer: B

Question 100

Which of the following state of India is main producer of Chromite?

A Goa

B Odisha

C Haryana

D Rajasthan

Answer: B

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