



SSC MTS 6th August 2019 Shift-1

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English

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 quick thinking of an animal lover saved (1)___ life of a turtle who had (2)___ a fishing hook and a safety pin. The female turtle was (3)___ on the streets of Mumbai by the animal lover, (4)___ took it to a vet. An X-ray (5)___ the presence of sharp objects in its stomach. The turtle was operated upon successfully.

Question 1

Select the most appropriate option for blank No. 1.

- A an
- B a
- C the
- D one

Answer: C

SSC CHSL Previous Papers (DOWNLOAD PDF)

Question 2

Select the most appropriate option for blank No. 2.

- A feasted
- B swallowed
- C drowned
- D absorbed

Answer: B

Question 3

Select the most appropriate option for blank No. 3.

- A found
- B find
- C finds
- D finding

Answer: A

Question 4

Select the most appropriate option for blank No. 4.

- A which
- B whom

- C who
- D whose

Answer: C

SSC Stenographer Previous Papers (Download PDF)

Question 5

Select the most appropriate option for blank No. 5.

- A concealed
- B covered
- C protected
- D revealed

Answer: D

Instructions

For the following questions answer them individually

Question 6

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

Either of the two books will met my requirement. /No error

- A two books
- B No error
- C Either of the
- D will met my requirement

Answer: D

Question 7

Select the most appropriate synonym of the given word.

Optimist

- A Idealist
- B Pessimist
- C Critic
- D Distinct

Answer: A

SSC GD Constable Previous Papers

Question 8

Select the most appropriate antonym of the given word.

Cautious

- A Prudent
- B Negligent
- C Discreet
- D Alert

Answer: B

Question 9

Select the most appropriate option to fill in the blank.
He is a descendant _____ the Mughal royalty.

- A of
- B in
- C to
- D for

Answer: A

Question 10

Choose the most appropriate word that can substitute the given group of words.
One who can't speak

- A Orphan
- B Quiet
- C Dumb
- D Bevy

Answer: C

SSC MTS Previous Papers (DOWNLOAD PDF)

Question 11

Select the most appropriate option to fill in the blank.
The incident made a _____ impression on Karan.

- A rounded
- B perfect
- C factual
- D deep

Answer: D

Question 12

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

- A Horizon
- B Nadir
- C Paradise
- D Zenith

Answer: D

Instructions

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.

Question 13

Only me can solve the problem.

- A No Improvement
- B Me can only
- C Only me could
- D Only I can

Answer: D

SSC CGL Previous Papers (DOWNLOAD PDF)

Question 14

Mr. Kansal has been living in Delhi since 10 years.

- A until
- B from
- C No Improvement
- D for

Answer: D

Question 15

When the little girl loses her doll, she began to cry.

- A lost her doll
- B losing her doll
- C loss her doll
- D No Improvement

Answer: A

Instructions

For the following questions answer them individually

Question 16

Select the most appropriate meaning of the given idiom.

As a matter of fact

- A To seize a good opportunity
- B Actually as it happens
- C Just at the last moment
- D To forgive and forget

Answer: B

SSC CGL Free Mock Test (Latest Pattern)

Question 17

Select the most appropriate antonym of the given word.

Tranquil

- A Calm
- B Stormy
- C Cool
- D Peaceful

Answer: B

Question 18

Select the most appropriate option to fill in the blank.

There is no _____ in the container for the water to flow.

- A outlet
- B link
- C room
- D escape

Answer: A

Question 19

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

Pallavi is the cleverest of the two sisters. /No error

- A No error
- B of the two sisters
- C Pallavi is
- D the cleverest

Answer: D

SSC CHSL Free Mock Test (Latest Pattern)

Question 20

Select the most appropriate synonym of the given word.

Obvious

- A Various
- B Vague
- C Evident
- D Flexible

Answer: C

Question 21

Choose the correctly spelt word.

- A Miniature
- B Corupt
- C Jelousy
- D Intrest

Answer: A

Question 22

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

My brother brought a few rice while coming from the market. /No error

- A No error
- B My brother brought
- C coming from the market
- D a few rice while

Answer: D

SSC Stenographer Previous Papers (Latest Pattern)

Question 23

Select the most appropriate option to fill in the blank.

He _____ done it.

- A should had not
- B should have been
- C shouldn't have
- D should not had

Answer: C

Question 24

Choose the correctly spelt word.

- A Extract
- B Inividual
- C Peirce
- D Luxuries

Answer: A

Question 25

Select the most appropriate meaning of the given idiom.

Out of date

- A Being careless
- B A date seed
- C Something old fashioned
- D A worthless fellow

Answer: C

SSC GD Constable Free Mock Test (Latest Pattern)

Reasoning

Instructions

For the following questions answer them individually

Question 26

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

18 : 323 :: 38 : ?

- A 1331
- B 1339
- C 1443
- D 1449

Answer: C

Explanation:

18 : 323

$$18^2 - 1 = 324 - 1 = 323$$

38 : ?

$$38^2 - 1 = 1444 - 1 = 1443$$

Thus, 18 : 323 :: 38 : 1443

SSC MTS Free Mock Test (Latest Pattern)

Question 27

Five articles A, K, P, R and T are kept one above the other (not necessarily in the same order). Only T is between K and P. P is below K. R is just below P. A is three places below T.

Which article is at the bottom?

- A T
- B A
- C P
- D R

Answer: B

Explanation:

Five articles are kept one above the other.

A is three places below T.

Therefore 2 arrangements are possible T can be in 5th position then A in 2nd position and T can be in 4th position then A can be in 1st position.

T is between K and P so only II arrangement is possible .

P is below K and R is just below P.

So after the arrangement A is at the bottom

	I	II
5	T	K
4		T
3		P
2	A	R
1		A

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. Some land are hard.

II. No hard is hot.

Conclusions:

I. Some hot are land.

II. Some hard are land.

- A Only conclusion I follows
- B Only conclusion II follows

C Both conclusion I and II follows

D Neither conclusion follow

Answer: B

Question 29

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

A JL : IK

B RV : QW

C MA : NZ

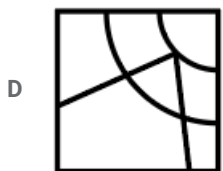
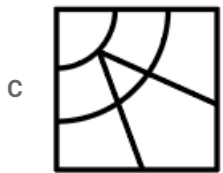
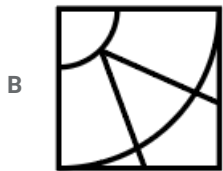
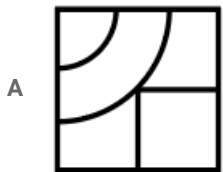
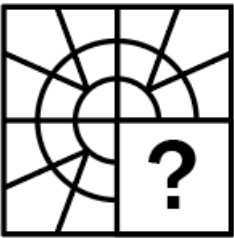
D KG : LH

Answer: D

SSC CPO Free Mock Test (Latest Pattern)

Question 30

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



Answer: C

Question 31

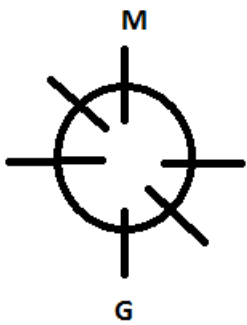
Six teachers A, D, G, J, M and P are sitting around a circular table facing towards the centre (not necessarily in the same order). M is third to the left of G. D is to the immediate left of J. A is to the immediate left of M. If we count in clockwise direction from P, then how many teachers are sitting between P and J?

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

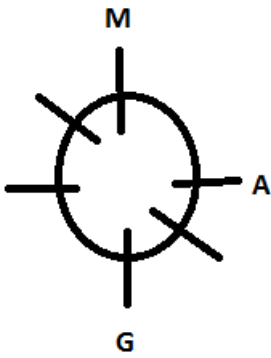
Answer: B

Explanation:

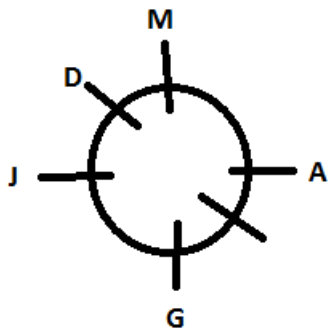
Step 1: M is third to the left of G



Step 2: A is to the immediate left of M

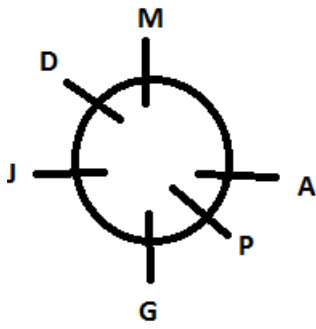


Step 3: D is to the immediate left of J



Step 4:





Thus if we count in clock wise direction from P. Only G is between P and J

Instructions

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

Question 32

Chapter : Book :: Handle : ?

- A Pedal
- B Brake
- C Cycle
- D Round

Answer: C

Explanation:

Book consists of different chapters, same way **handle** is a part of **cycle**

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Question 33

Office : Clerk :: Site : ?

- A Teacher
- B Servant
- C Shopkeeper
- D Engineer

Answer: D

Explanation:

As clerk is in the office, similarly site related to **engineer**

Instructions

For the following questions answer them individually

Question 34

By interchanging the given two signs which of the following equation will be correct?

× and +

- A $4 + 9 \times 11 \div 3 = 37$
- B $11 \times 6 \div 18 + 54 = 29$

C $13 - 12 \times 5 + 11 = 46$

D $6 \times 11 + 13 \div 11 = 17$

Answer: B

Explanation:

On interchanging the two signs + and \times
we get the equation as

$$11 + 6 \div 18 \times 54$$

$$\text{or } 11 + 1 \div 3 \times 54 = 29$$

$$29 = 29 \text{ which is true}$$

Question 35

In a certain code language, 'RIGHT' is written as '98653', 'CLERK' is written as '04297'. What is the code for 'GREET' in that code language?

A 69332

B 69227

C 69330

D 69223

Answer: D

Explanation:

R	I	G	H	T
9	8	6	5	3

C	L	E	R	K
0	4	2	9	7

G	R	E	E	T
6	9	2	2	3

Thus GREET coded as 69223

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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. No cycle is handle.
- II. Some handle are tyre.

Conclusions:

- I. No tyre is cycle.
- II. Some tyre are handle.
- III. Some cycle are handle.

- A Only conclusion III follows
- B Both conclusion II and III follows
- C Both conclusion I and II follows
- D Only conclusion II follows

Answer: D

Explanation:

Some is a **reversible** statement

thus from the statement "**Some handle are tyre**"

conclusion "**Some tyre are handle**" follows

therefore only conclusion 2 follows

Question 37

After interchanging the given signs, what will be the value of $16 + 19 \times 51 \div 153 - 12$?

\times and \div

- A 63
- B 51
- C 61
- D 57

Answer: C

Explanation:

On interchanging the signs \times and \div

we get the equation as

$$16 + 19 \div 51 \times 153 - 12$$

$$\text{or } 16 + 19 \times 3 - 12$$

$$16 + 57 - 12 = 61$$

Question 38

In a certain code language, 'POEM' is written as '1351516', 'ROB' is written as '21518'.

What is the code for 'MAID' in that code language?

- A 13194
- B 49113
- C 59146
- D 13195

Answer: B

Explanation:

Place value of each letter of the word **POEM**

P-16

O-15

E-5

M-13

therefore word POEM coded in reverse order as **1351516**

Similarly, place value of each letter of the word **MAID**

M-13

A-1

I-9

D-4

coded in reverse order as **49113**

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Question 39

In a certain code language, 'FOSSIL' is written as 'KHRRNE'. What is the code for 'FUNGAL' in that code language?

A LAGMUF

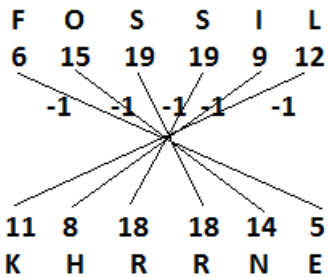
B LAGNUF

C KAFMTE

D KZFMTE

Answer: D

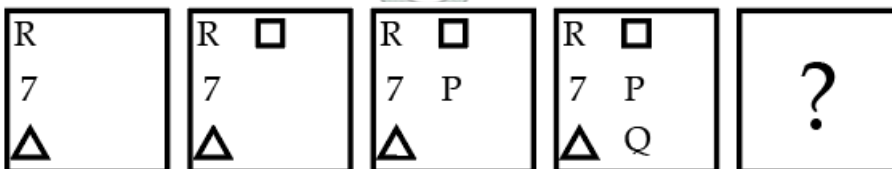
Explanation:

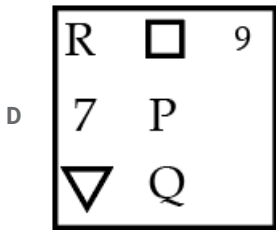
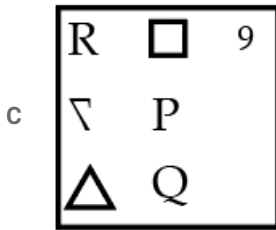
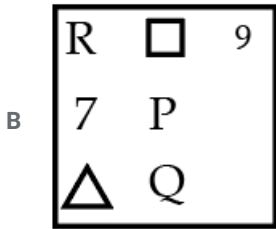


Similarly **FUNGAL** coded as **KZFMTE**

Question 40

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





Answer: B

Question 41

A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.
ML, RQ, WV, BA, ?

- A GF
- B GE
- C HF
- D HE

Answer: A

Explanation:

Each letter of the series moved 5 steps forward to obtain the next letter

Place value of M = 13 +5 = 18, place value of R

Same way, place value of L = 12+5 = 17, place value of Q

ML, RQ, WV, BA, GF

SSC Study Material

Question 42

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

7	8	4	18
2	3	9	13
5	6	8	?

- A 15

B 17

C 18

D 21

Answer: C

Explanation:

$$7+8+4=19-1=18$$

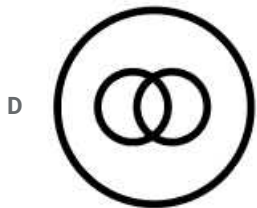
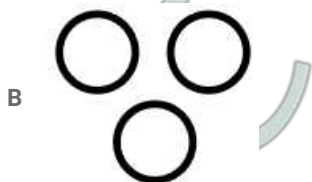
$$2+3+9=14-1=13$$

$$5+6+8=19-1=18$$

Question 43

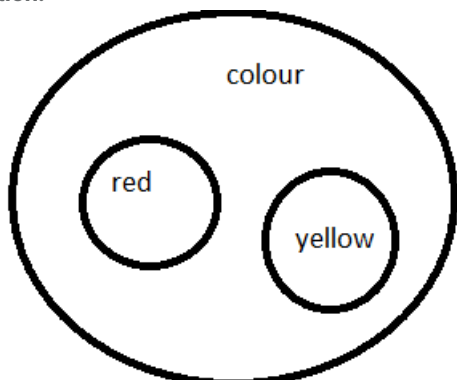
Identify the diagram that best represents the relationship among the given classes.

Colour, Red, Yellow



Answer: A

Explanation:



on the basis of the given question we know that red is different from yellow. But both can be included in the class 'colour' it is clear that option A represents the best relationship between red , yellow and colour as shown in the venn diagram

Question 44

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

307, 303, 299, 295, ?

A 287

B 291

C 289

D 293

Answer: B

Explanation:

Number series with common difference 4

$$307 - 4 = 303$$

$$303 - 4 = 299$$

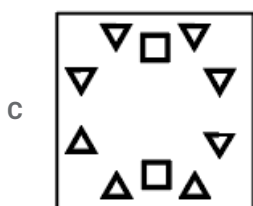
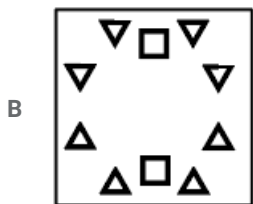
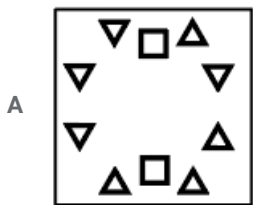
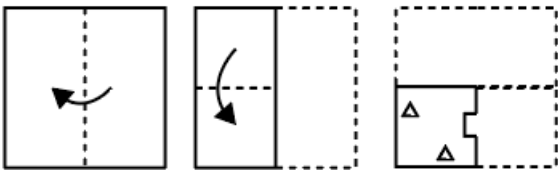
$$299 - 4 = 295$$

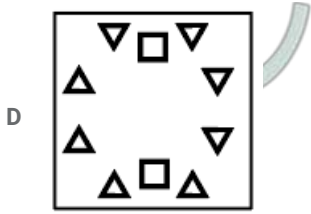
$$295 - 4 = 291$$

SSC Daily Practice Set

Question 45

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?





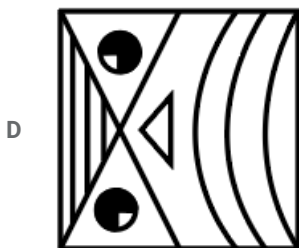
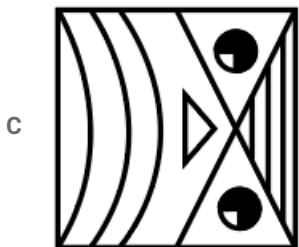
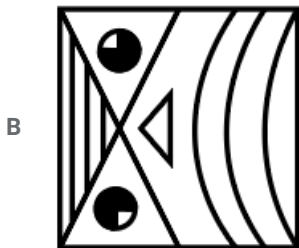
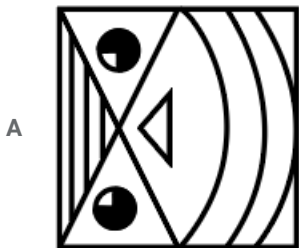
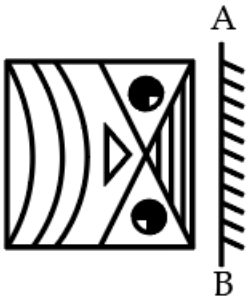
Answer: B

Explanation:

After observing distance of holes from folded lines we can conclude that option b is the answer

Question 46

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



Answer: D

Explanation:

The mirror image is always laterally inverted means the left side of the object when seen in mirror is on right side and vice versa.

seeing the lateral inversion and comparing the question figure with the answer figures it is very much clear that answer is option D.

Question 47

Six trucks K, M, O, Q, S and U are parked around a circular path facing towards the centre (not necessarily in the same order). Q is second to the left of U. S is to the immediate left of M. K is second to the right of O. O is to the immediate right of Q. Which truck is parked at second position to the left of O?

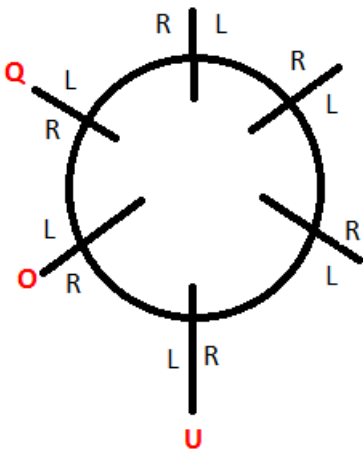
- A M
- B S
- C K
- D U

Answer: A

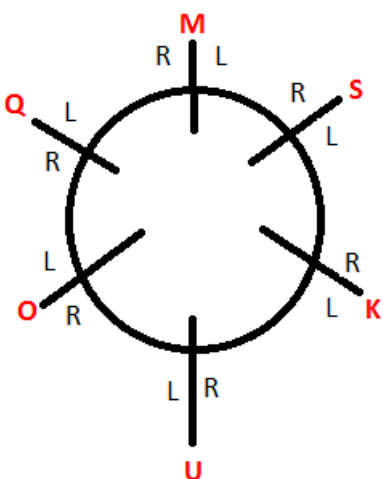
Explanation:

From the statements:

1. Q is second to the left of U.
2. O is to the immediate right of Q.



3. K is second to the right of O.
4. S is to the immediate left of M.



Therefore truck M is parked at second position to the left of O.

SSC GK Free Tests

Question 48

In a certain code language, 'GARAGE' is written as 'JEUEJI'. What is the code for 'OFFICE' in that code language?

- A RKIMFI
- B RJIMFI
- C JLJNGJ
- D JKJNGJ

Answer: B

Explanation:

7	1	18	1	7	5
G	A	R	A	G	E
+3	+4	+3	+4	+3	+4
J	E	U	E	J	I
10	5	21	5	10	9

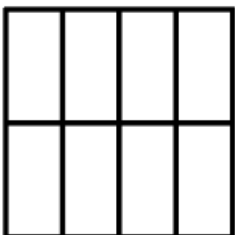
15	6	6	9	3	5
O	F	F	I	C	E
+3	+4	+3	+4	+3	+4
R	J	I	M	F	I
18	10	9	13	6	9

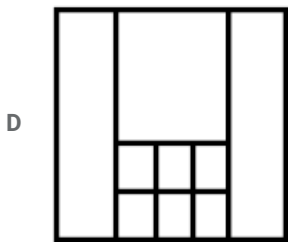
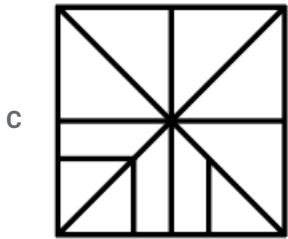
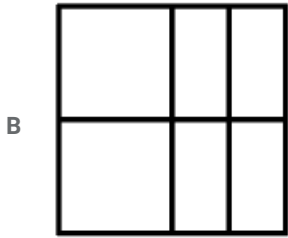
Question 49

From the given answer figures, select the one in which the question figure is hidden/embedded.



A

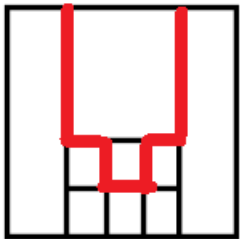




Answer: D

Explanation:

The question figure is hidden/embedded in option D,



Therefore option D is the answer.

Question 50

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

3, 7, 22, 89, ?

A 440

B 448

C 452

D 446

Answer: D

Explanation:

The pattern is,

$$3 \times 2 + 1 = 7$$

$$7 \times 3 + 1 = 22$$

$$22 \times 4 + 1 = 89$$

$$89 \times 5 + 1 = 446$$

Therefore the answer is option D 446.

SSC GK Questions

Quant

Instructions

For the following questions answer them individually

Question 51

A alone can do a piece of work in 30 days. B alone can do the same work in 60 days. If they work together for five days, what fraction of the work will be left?

A $\frac{1}{2}$

B $\frac{2}{3}$

C $\frac{3}{4}$

D $\frac{5}{6}$

Answer: C

Explanation:

A alone can do a piece of work in 30 days.

B alone can do the same work in 60 days

Together they can complete the work in 20 days.

$$\left(\frac{1}{30} + \frac{1}{60} = \frac{3}{60} = \frac{1}{20}\right)$$

If they work together for 5 days,

$$\text{amount of work done} = 5 \times \frac{1}{20} = \frac{1}{4}$$

$$\text{Amount of work left} = 1 - \frac{1}{4} = \frac{3}{4}$$

So, the answer would be option c) $\frac{3}{4}$

Current Affairs Question and Answers (Download PDF)

Question 52

What is the value of $\frac{39 \div 26 + 22 \div 11 \times 2 + 4 \times 3}{2 \text{ of } 5 - 3(7 + 10 \div 2 - 3 \times 3)}$?

A $\frac{39}{2}$

B $\frac{49}{2}$

C $\frac{61}{2}$

D $\frac{35}{2}$

Answer: D

Explanation:

$$\frac{39 \div 26 + 22 \div 11 \times 2 + 4 \times 3}{2 \text{ of } 5 - 3(7 + 10 \div 2 - 3 \times 3)}$$

$$\frac{26 + 11 \times 2 + 4 \times 3}{2 \times 5 - 3(7 + \frac{10}{2} - 3 \times 3)}$$

$$\frac{\frac{3}{2} + 4 + 12}{10 - 3(7 + 5 - 9)}$$

$$\frac{3 + 8 + 24}{2}$$

$$10 - 3(3)$$

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

$$10 - 9$$

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

Question 53

The average weight of 14 children is 22 kg. If the weight of the teacher is also included, the average weight becomes 23 kg. What is the weight of the teacher?

- A 37 kg
- B 36 kg
- C 35 kg
- D 34 kg

Answer: A

Explanation:

Average weight of 14 children = 22 kg

Total weight of 14 children = $22 \times 14 = 308$

If the age of teacher is also included, the new average = 23

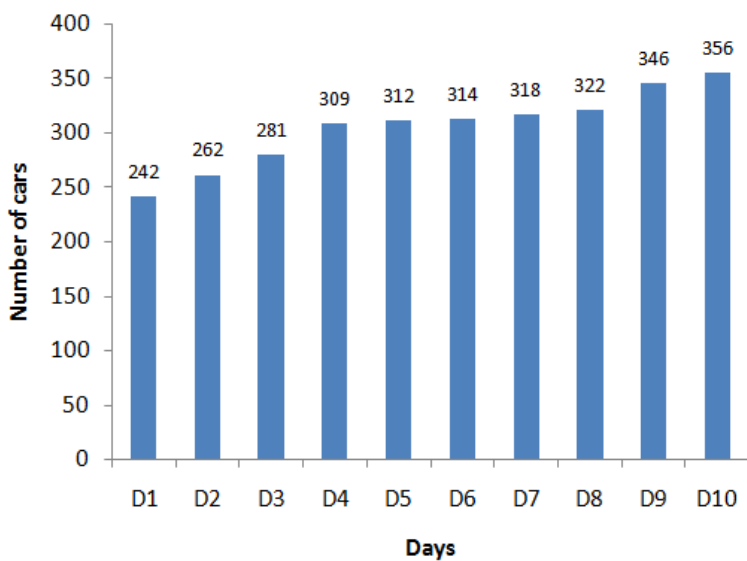
Total age of students and teacher = $23 \times 15 = 345$

Age of teacher = $345 - 308 = 37$

So, the answer would be option a)37.

Question 54

The Bar graph given below presents the number of cars parked on ten different days in a parking area.



What is the difference in the number of cars parked on D3 and D8?

- A 33
- B 45

C 41

D 37

Answer: C

Explanation:

Number of cars parked on D3 is 281.

Number of cars parked on D8 is 322.

Difference in the number of cars parked on D3 and D8 is,

$$322 - 281 = 41$$

Daily and Monthly Current Affairs (Download PDF)

Question 55

What is the Highest Common Factor of $\frac{7}{16}$, $\frac{21}{32}$ and $\frac{49}{8}$?

A $\frac{147}{32}$

B $\frac{147}{8}$

C $\frac{7}{64}$

D $\frac{7}{32}$

Answer: D

Explanation:

HCF of fraction = $\frac{HCF\ of\ numerators}{LCM\ of\ denominators}$

$$HCF\ of\ \frac{7}{16}, \frac{21}{32}\ and\ \frac{49}{8} = \frac{HCF\ of\ 7, 21, 49}{LCM\ of\ 16, 32, 8} = \frac{7}{32}$$

So, the answer would be option d) $\frac{7}{32}$

Question 56

What is the value of $(24 + 16 \times 5 - 8\ of\ 4) \div 84 \times 48 \div 24 \times 6 + 4 + 3$?

A $\frac{139}{3}$

B $\frac{121}{7}$

C $\frac{56}{3}$

D $\frac{156}{5}$

Answer: B

Explanation:

$$(24 + 16 \times 5 - 8\ of\ 4) \div 84 \times 48 \div 24 \times 6 + 4 + 3$$

$$\frac{(24 + 16 \times 5 - 8 \times 4)}{84} \times \frac{48}{24} \times 6 + 4 + 3$$

$$\frac{24 + 80 + 32}{7} + 4 + 3$$

$$\frac{72 + 28 + 21}{7}$$

$$\frac{121}{7}$$

Question 57

X alone can do a piece of work in 15 days. Y alone can do the same work in 30 days. X, Y and Z, working together, can complete the work in nine days. In how many days Z alone can complete the same work?

- A 90
- B 45
- C 60
- D 120

Answer: A

Explanation:

Let No. of days taken by X to complete the work i.e $x = 15$ days

No. of days taken by Y to complete the work i.e $y = 30$ days

and z be the number of days taken by Z to complete the work

A/c to question ,

$$\frac{1}{x} + \frac{1}{y} + \frac{1}{z} = \frac{1}{9}$$

$$\frac{1}{z} = \frac{1}{9} - \frac{1}{15} - \frac{1}{30} = \frac{1}{90}$$

So, the answer would be option a)90.

SSC CHSL Previous Papers (DOWNLOAD PDF)

Question 58

The data given below shows number of sixes and the number of batsmen who have hit them.

Number of sixes	Number of batsmen
1	2
2	3
3	1
4	3
5	2

What is the median of number of sixes?

- A 5
- B 3
- C 4
- D 4.5

Answer: B

Explanation:

Median of number of sixes = $\frac{\text{Total number of sixes}}{5}$

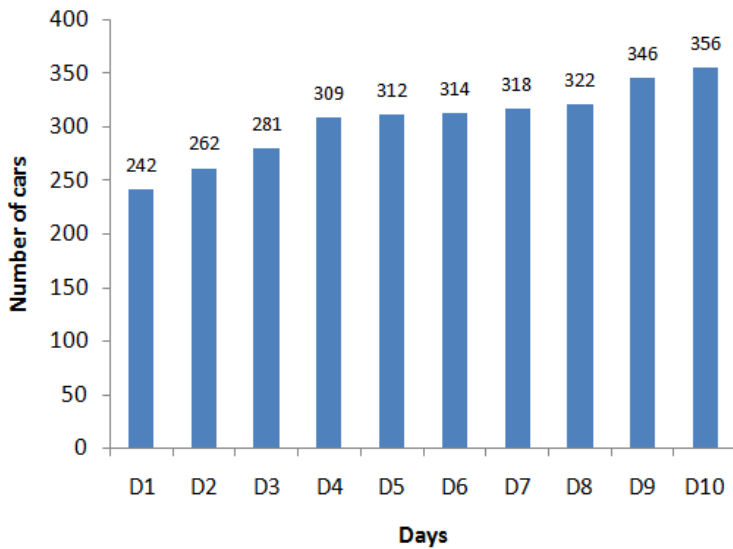
$$= \frac{15}{5}$$

$$= 3$$

Therefore option B is the answer.

Question 59

The Bar graph given below presents the number of cars parked on ten different days in a parking area.



What is the total number of cars parked on all the ten days in the parking area?

- A 3462
- B 3862
- C 3062
- D 3882

Answer: C

Explanation:

Total number of cars parked on all the ten days in the parking area is,

$$242 + 262 + 281 + 309 + 312 + 314 + 318 + 322 + 346 + 356 = 3062$$

Question 60

A car can cover a distance of 18 km in 24 minutes. The speed of a bus is twice that of the car. In how many minutes can the bus cover a distance of 135 km?

- A 48 minutes
- B 90 minutes
- C 50 minutes
- D 75 minutes

Answer: B

Explanation:

$$\text{Speed of car} = \frac{18}{24} \text{ km/min}$$

$$\text{Speed of bus} = \frac{2 \times 18}{24} \text{ km/min} = \frac{3}{2} \text{ km/hr}$$

$$\text{Bus will take} = \frac{135 \times 2}{3} = 45 \text{ minutes.}$$

So, the answer would be option b)90 minutes.

Question 61

The difference between the simple interest and compound interest on a principal at the rate 5% per annum for 2 years is ₹25. What is the principal?

- A ₹10000
- B ₹5000
- C ₹15000
- D ₹12000

Answer: A

Explanation:

The difference between the simple interest and compound interest on a principal for 2 years = $P \left(\frac{r^2}{100^2} \right)$

Using the above formula ,

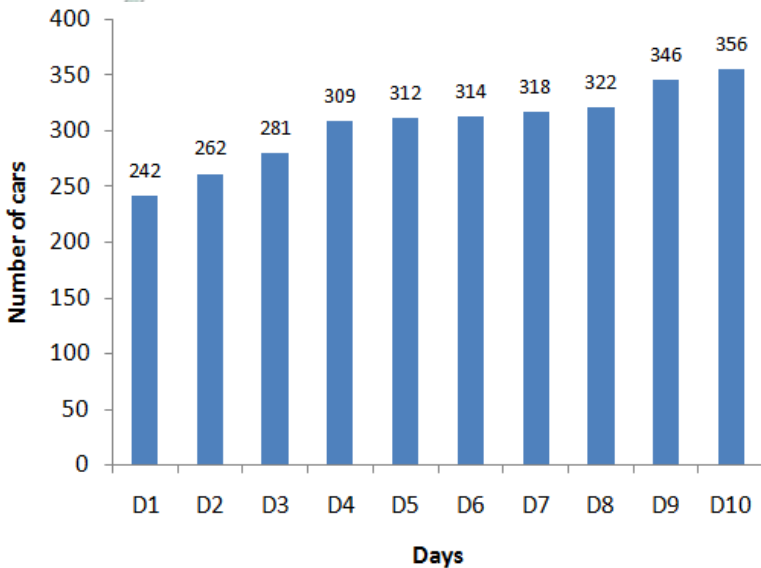
$$25 = P \frac{5^2}{100^2}$$

$$P = 10000$$

So , the answer would be option a) ₹10000

Question 62

The Bar graph given below presents the number of cars parked on ten different days in a parking area.



Number of cars parked on D10 is how much percentage(correct up to two decimal places) more than the number of cars parked on D1?

- A 57.11%
- B 42.11%
- C 52.11%
- D 47.11%

Answer: D

Explanation:

Number of cars parked in D10 = 346

Number of cars parked in D1 = 242

$$\text{Required \%} = \frac{346-242}{242} \times 100 = 47.107$$

So, the answer would be option d) 47.11%.

Question 63

The difference in selling price of an article when it is sold at 20% profit and 18% loss is ₹570. If it is sold at 12% loss, then what will be the selling price of the article?

A ₹1540

B ₹1760

C ₹1320

D ₹1650

Answer: C

Explanation:

Let s be the selling price.

A/c to question,

$$\frac{120}{100}s - \frac{82}{100}s = 570$$

$$s = \frac{570 \times 100}{38} = 1500$$

At 12% loss, the SP would be = $.88 \times 1500 = 1320$

So, the answer would be option c) 1320.

SSC GD Constable Previous Papers

Question 64

The cost price of an article is ₹ 1800. If the profit is 32%, then what is the selling price?

A ₹2496

B ₹2376

C ₹2288

D ₹2456

Answer: B

Explanation:

Given,

The cost price of an article is ₹ 1800 and the profit is 32%.

$$\text{Selling price} = 1800 \times \frac{100+32}{100}$$

$$1800 \times \frac{132}{100}$$

$$18 \times 132 = 2376$$

Question 65

The monthly incomes of A and B are ₹12000 and ₹8000 respectively. The ratio of their monthly expenditures is 5 : 3. If they save equal amount per month, then how much money does each of them save per month?

A ₹1000

- B ₹800
- C ₹1500
- D ₹2000

Answer: D

Explanation:

The monthly incomes of A and B are ₹12000 and ₹8000.

Their expenditures are in the ratio of 5:3.

Let their expenditures of A and B be $5x$ and $3x$.

Since their savings are equal ,

$$12000 - 5x = 8000 - 3x$$

$$x = 2000$$

$$\text{Savings} = 12000 - 5 \times 2000 = 2000$$

So , the answer would be option d)2000.

Question 66

If $x + y = 52$ and $x - y = 20$, then what is the value of $x : y$?

- A 9 : 4
- B 3 : 2
- C 7 : 5
- D 3 : 4

Answer: A

Explanation:

$$x + y = 52 \text{ and } x - y = 20$$

$$x = 36 \text{ and } y = 16$$

$$\frac{x}{y} = \frac{36}{16}$$

So, the answer would be option a)9:4.

SSC MTS Previous Papers (DOWNLOAD PDF)

Question 67

The average ages of (P,Q) ; (Q,R) ; (R,P) are 13, 14 and 12 years respectively. What is the age of Q?

- A 13 years
- B 11 years
- C 15 years
- D 12 years

Answer: C

Explanation:

$$\frac{P+Q}{2} = 13 \quad \frac{Q+R}{2} = 14 \quad \frac{R+P}{2} = 12$$

$$P+Q = 26$$

$$Q+R = 28$$

$$R+P = 24$$

Adding the above three equations ,

$$2(P + Q + R) = 78$$

$$P+Q+R = 39$$

$$\text{Age of Q} = 39 - 24 = 15$$

So , the answer would be option c)15 years

Question 68

Down stream speed of boat is 14 km/h. Upstream speed of boat is 10 km/h. In how much time can it cover 72 km in still water?

A 8 hours

B 6 hours

C 12 hours

D 4 hours

Answer: B

Explanation:

Downstream speed = 14 km/hr

Upstream speed = 10 km/hr

$$\text{Speed in still water} = \frac{\text{Downstream speed} + \text{Upstream speed}}{2} = \frac{14+10}{2} = 12\text{km/hr}$$

A/c to question,

$$\text{Required speed} = \frac{72}{12} = 6 \text{ hours}$$

So, the answer would be option b) 6 hours

Question 69

What is the ratio of the inradius and circumradius of a square?

A $1 : \sqrt{2}$

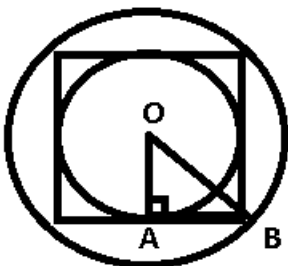
B $1 : 3$

C $\sqrt{2} : 3$

D $1 : 2$

Answer: A

Explanation:



Let the side of square be s.

$$\text{Inradius} = \frac{s}{2}$$

In $\triangle OAB$,

$$\Rightarrow OB = \sqrt{OA^2 + AB^2}$$

$$\Rightarrow OB = \sqrt{\frac{a^2}{2} + \frac{a^2}{2}} = \frac{a}{\sqrt{2}}$$

Their ratio would be :

$$\frac{OA}{OB} = \frac{a}{\frac{a}{\sqrt{2}}}$$

So ,the answer would be option a) $1 : \sqrt{2}$.

SSC CGL Previous Papers (DOWNLOAD PDF)

Question 70

A sum of ₹3000 is invested on compound interest (compounded annually) at the rate of interest is 20% per annum. What is the compound interest for 2 years?

- A ₹1200
- B ₹1440
- C ₹1320
- D ₹1360

Answer: C

Explanation:

Amount after 2 years :

$$P\left(1 + \frac{r}{100}\right)^2 = 3000\left(1 + \frac{20}{100}\right)^2 = 4320$$

$$\text{Compound Interest} = 4320 - 3000 = 1320$$

So, the answer would be option c) 1320

Question 71

After giving 20% discount on an article a shopkeeper earns 30% profit. Marked price is what percent of cost price?

- A 162.5%
- B 122.5%
- C 137.5%
- D 150%

Answer: A

Explanation:

Let the marked price be m and cost price be c .

A/c to question , even after giving 20% discount on an article a shopkeeper earns 30% profit,

$$\frac{80}{100}m = \frac{130}{100}c$$

$$m = \frac{130}{80}c$$

Marked price is $\frac{130}{80} \times 100 = 162.5\%$ of Cost price.

So, the answer would be option a) 162.5%.

Question 72

The curved surface area of a cylinder is 25344 cm^2 and its height is 32 cm. What is the volume of a cylinder whose capacity is $\frac{\pi}{792}$ times the volume of the given cylinder?

- A 9504 cm^3
- B 6336 cm^3
- C 3168 cm^3
- D 1584 cm^3

Answer: B

Explanation:

The curved surface area of a cylinder is 25344 cm^2 .

$$2\pi rh = 25344 \Rightarrow r = \frac{25344 \times 7}{2 \times 22} = 126 \text{ cm}$$

$$\text{Volume would be} = \pi r^2 h = \frac{22}{7} \times 126 \times 126 \times 32$$

The volume of a cylinder whose capacity is $\frac{\pi}{792}$

$$= \frac{\pi}{792} \times \frac{22}{7} \times 126 \times 126 \times 32 = 6336 \text{ cm}^3$$

So, the answer would be option b) 6336 cm^3 .

SSC CGL Free Mock Test (Latest Pattern)

Question 73

The diagonal of a square is 24 cm. What is its perimeter?

- A $36\sqrt{2} \text{ cm}$
- B $48\sqrt{2} \text{ cm}$
- C 28 cm
- D $46\sqrt{2} \text{ cm}$

Answer: B

Explanation:

Given,

Diagonal of a square = 24.

we know that, Diagonal of a square = $\sqrt{2}a$

therefore, $\sqrt{2}a = 24$

$$a = \frac{24}{\sqrt{2}}$$

Perimeter of a square = $4a$

$$4a = 4 \times \frac{24}{\sqrt{2}}$$

$$= 2\sqrt{2} \times 24$$

$$= 48\sqrt{2}$$

Question 74

A is 15% more than B. B is how much percent (correct up to two decimal places) less than A ?

A 16.14%

B 13.04%

C 6.14%

D 9.17%

Answer: B

Explanation:

Let a be 115 and B be 100.

Percentage by which B is less than A = $\frac{15}{115} \times 100 = 13.04\%$

So, the answer would be option b)13.04%.

Question 75

If $x + y + z = 360$ and $x : y : z = 4 : 3 : 2$, then what is the value of $y + z - x$?

A 80

B 40

C 60

D 30

Answer: B

Explanation:

Given,

$x + y + z = 360$ and $x : y : z = 4 : 3 : 2$

let $4 : 3 : 2 = 4p : 3p : 2p$

substituting it in $x + y + z = 360$,

$4p + 3p + 2p = 360$

$9p = 360$

$p = 40$

Therefore $x : y : z = 4(40) : 3(40) : 2(40)$

$x : y : z = 160 : 120 : 80$

substituting x, y, z in $z + y - x$,

$80 + 120 - 160 = 40$.

SSC CHSL Free Mock Test (Latest Pattern)

General knowledge

Instructions

For the following questions answer them individually

Question 76

Which of the following river originates from Madhya Pradesh?

A Tapi

- B Mahanadi
- C Godavari
- D Krishna

Answer: A

SSC Stenographer Previous Papers (Latest Pattern)

Question 77

In the year 1817 _____ tried to arrange elements with similar properties into groups.

- A Dobereiner
- B Mandeleev
- C Henry Moseley
- D Emmy Noether

Answer: A

Question 78

According to HDI 2018, which of the following is least developed country?

- A Denmark
- B Finland
- C Cambodia
- D Cyprus

Answer: C

Question 79

How many amendments are there in Indian Constitution till March 2019?

- A 101
- B 99
- C 105
- D 103

Answer: D

SSC GD Constable Free Mock Test (Latest Pattern)

Question 80

Who among the following built the Charminar?

- A Illtutmish
- B Alauddin Khilji

C Qutubudin Aibak

D Quli Qutb Shah

Answer: D

Question 81

When was Lok Sabha first constituted?

A 1951

B 1948

C 1952

D 1950

Answer: C

Question 82

Pranati Nayak is associated with which of the following sport?

A Boxing

B Gymnastics

C Skating

D Golf

Answer: B

SSC MTS Free Mock Test (Latest Pattern)

Question 83

Jagoi is the dance form of which of the following state?

A Assam

B Andhra Pradesh

C Odisha

D Manipur

Answer: D

Question 84

Who won the Gandhi Peace Prize 2018?

A Akshay Patra

B Manmohan Singh

C Yohei Sasakawa

D John Hume

Answer: C

Question 85

Lala Lajpat Rai was founder of which of the following bank?

- A State Bank of India
- B Punjab National Bank
- C Bank of Baroda
- D Union Bank of India

Answer: B

SSC CPO Free Mock Test (Latest Pattern)

Question 86

Ashraf Ghani is the President of which of the following country?

- A Bangladesh
- B Iran
- C Kuwait
- D Afghanistan

Answer: D

Question 87

How many powerful Mahajanapadas existed in ancient India?

- A 14
- B 16
- C 12
- D 18

Answer: B

Question 88

Which of the following element is present in an antiperspirant deodorant?

- A Sodium
- B Aluminum
- C Copper
- D Iron

Answer: B

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Question 89

What is the scientific name of Peacock?

- A Molpastes cafer
- B Psittacula eupatria
- C Pavo Cristatus
- D Eudynamis scolopaccus

Answer: C

Question 90

In which of the following states, Manas National Park is situated?

- A Sikkim
- B Odisha
- C Assam
- D West Bengal

Answer: C

Question 91

Hepatitis is caused by _____.

- A Fungi
- B Bacteria
- C Parasites
- D Virus

Answer: D

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Question 92

How many players are there in Kho-Kho?

- A 7
- B 12
- C 10
- D 8

Answer: B

Question 93

Who is the writer of 'Freedom in Exile'?

- A Abdul Kalam Azad
- B Shashi Tharoor
- C Nelson Mandela
- D Dalai Lama

Answer: D

Question 94

In which of the following states is Ugadi considered as an important festival?

- A Karnataka
- B Chhattisgarh
- C Arunachal Pradesh
- D Nagaland

Answer: A

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Question 95

Pradhan Mantri Awas Yojana - Gramin, aims to achieve "Housing for All" by:

- A 2024
- B 2023
- C 2021
- D 2022

Answer: D

Question 96

On which of the following planet NASA sent the curiosity rover?

- A Moon
- B Jupiter
- C Mars
- D Saturn

Answer: C

Question 97

Guru Shikhar is the highest peak of which of the following?

- A Deccan Plateau
- B Vindhya Range
- C Aravalli Range
- D Satpura Range

Answer: C

SSC Study Material

Question 98

Which of the following Acts was also known as Montague-Chelmsford Reform?

- A Pitt's India Act 1784
- B Indian Independence Act 1947
- C Charter Act 1813
- D Government of India Act 1919

Answer: D

Question 99

In 12th Century Karnataka, Virashaivas were the followers of _____.

- A Basavanna
- B Karaikkal Ammaiyar
- C Ramanuja
- D Andal

Answer: A

Question 100

The third battle of Panipat was fought between which of the following two?

- A Sikhs and Mughals
- B Maratha Empire and Durrani Empire
- C Prithviraj Chauhan and Mohammad Ghori
- D Akbar and Hem Chandra Vikramaditya

Answer: B

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