



SSC MTS 7th August 2019 Shift-1

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Instructions

For the following questions answer them individually

Question 1

Select the most appropriate antonym of the given word.

Captivity

- A Liberty
- B Imprisonment
- C Cheer
- D Offense

Answer: A

SSC CHSL Previous Papers (DOWNLOAD PDF)

Question 2

Select the most appropriate option to fill in the blank

When are you _____ to write to your friend?

- A Gone
- B Going
- C Goes
- D Go

Answer: B

Question 3

Select the most appropriate antonym of the given word

Approve

- A Agree
- B Reject
- C Appeal
- D Confirm

Answer: B

Question 4

Select the most appropriate meaning of the given idiom.

cut one shot

- A To stop something
- B To Interrupt some one
- C To act quickly

D To be rude

Answer: B

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 'Noerror'.

Do not let the opportunity slip away and you will repent. /No error

A No error

B And you will repent

C Do not let the

D opportunity slip away

Answer: B

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.

You must apologise with him for this.

A No Improvement

B from

C of

D to

Answer: D

Question 7

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

One who is unable to read or write.

A Illiterate

B Incomprehensible

C Frugal

D Illegible

Answer: A

SSC GD Constable Previous Papers

Question 8

Select the most appropriate option to fill in the blank.

Man _____ a strong desire to accumulate wealth.

A have

- B had
- C is having
- D has

Answer: D

Question 9

Select the most appropriate meaning of the given idiom.

To take one's hat off

- A To fool someone
- B To feel hot
- C To please someone
- D To admire someone

Answer: D

Question 10

Select the most appropriate option to fill in the blank.

Marconi _____ the radio.

- A discovered
- B invented
- C built
- D assembled

Answer: B

SSC MTS Previous Papers (DOWNLOAD PDF)

Question 11

Select the most appropriate synonym of the given word.

Forgive

- A Forget
- B Accuse
- C Pardon
- D Compel

Answer: C

Question 12

Select the most appropriate option to fill in the blank

I _____ him to use my bike to go to the office

- A granted

- B allowed
- C admonished
- D sanctioned

Answer: B

Question 13

Select the most appropriate synonym of the given word.

Agile

- A Dull
- B Stiff
- C Quick
- D Rigid

Answer: C

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**.

He lives in this remote colony since 2001.

- A Dull
- B Stiff
- C Quick
- D Rigid

Answer: A

Question 15

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

Yearly celebration of a date or an event

- A Gala
- B Anniversary
- C Carnival
- D Bash

Answer: B

Question 16

Choose the correctly spelt word.

- A Convenience

- B Konvenience
- C Convinience
- D Conveniense

Answer: A

SSC CGL Free Mock Test (Latest Pattern)

Question 17

Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.
The funding for the project will entirely born on the center

- A No error
- B born on the centre
- C The funding for the project
- D will be entirely

Answer: B

Question 18

Find the part of the given sentence that has an error in it. If there is no error, choose 'Noerror'.
I did not see anybody in the auditorium. /No error

- A No error
- B see anybody
- C I did not
- D In the auditorium

Answer: A

Question 19

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.

He not only speaks Hindi fluently but English as well as.

- A No Improvement
- B But also English
- C As well as English
- D But English too as well

Answer: B

SSC CHSL Free Mock Test (Latest Pattern)

Question 20

Choose the correctly spelt word

- A Axhilarate
- B Exhilarate
- C Axilarate
- D Exilarate

Answer: B

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 Narmada River, (1)_____ called the Rewa was previously known (2)_____ Nerbudda. It is a river in central India along (3)_____ the Godavari and the Krishna. It is also (4)_____ as the "Life Line of Gujarat and Madhya Pradesh" for its huge (5)_____ to these states. The Narmada rises from Amarkantak Plateau near Anuppur district.

Question 21

Select the most appropriate option for blank No. 1.

- A But
- B Are
- C Also
- D End

Answer: C

Question 22

Select the most appropriate option for blank No. 2.

- A by
- B as
- C so
- D even

Answer: B

SSC Stenographer Previous Papers (Latest Pattern)

Question 23

Select the most appropriate option for blank No. 3.

- A To
- B With
- C By
- D Beside

Answer: B

Question 24

Select the most appropriate option for blank No. 4.

- A Told
- B Said
- C Known
- D Spoken

Answer: C

Question 25

Select the most appropriate option for blank No. 5.

- A Donation
- B Reformation
- C Irrigation
- D Contribution

Answer: D

SSC GD Constable Free Mock Test (Latest Pattern)

Reasoning

Instructions

For the following questions answer them individually

Question 26

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

| | | |
|----|----|---|
| 9 | 3 | 7 |
| 6 | 2 | 8 |
| 4 | 5 | 3 |
| 38 | 20 | ? |

- A 72
- B 36
- C 54
- D 18

Answer: B

Explanation:

The pattern followed in each column is that twice the sum of the first three numbers is equal to the last number.

Eg :- $2 \times (9 + 6 + 4) = 38$

and $2 \times (3 + 2 + 5) = 20$

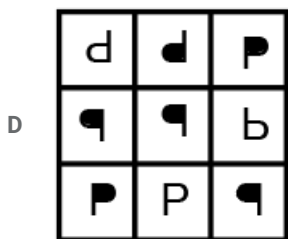
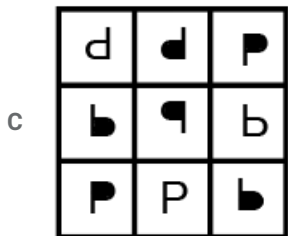
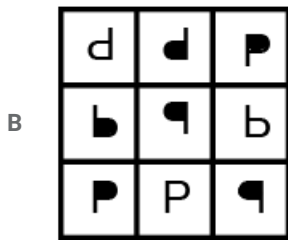
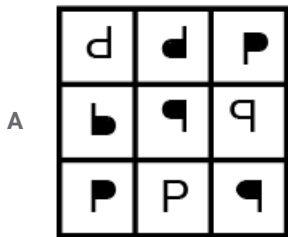
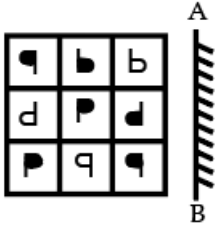
Similarly, $2 \times (7 + 8 + 3) = 2 \times 18 = 36$

=> Ans - (B)

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Question 27

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

Explanation:

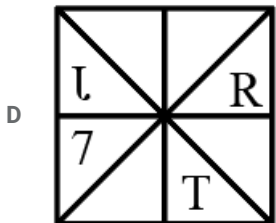
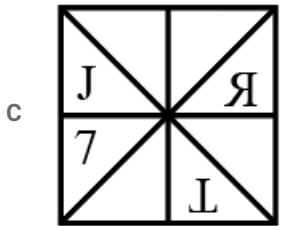
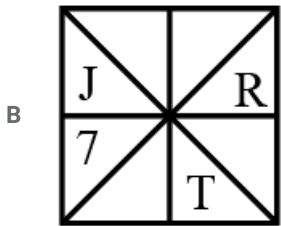
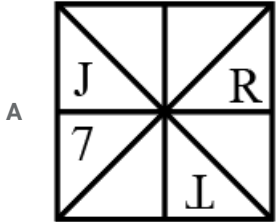
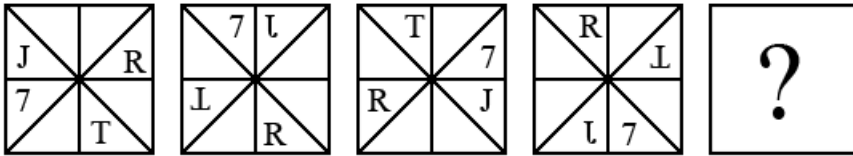
A vertical mirror is placed, so the object on the left will appear on the right inverted, and vice-versa. For eg, the 'd' in the middle row at left end will appear as a 'b' in the same row but at the other end, hence first option is eliminated.

Thus, following the above pattern, only second figure is the perfect mirror image of the question figure.

=> Ans - (B)

Question 28

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



Answer: B

Explanation:

All the four symbols shown in the figure are rotating in clockwise direction, and the image of '7' and 'R' remains the same, J's and T's image are inversed as shown in horizontal and vertical mirrors respectively.

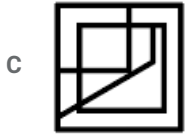
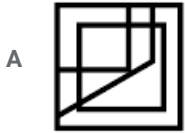
Since, it is rotating in clockwise direction, the fifth figure will resemble same as the first one as shown in second figure.

=> Ans - (B)

Question 29

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





Answer: A

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Question 30

Select the number that can replace the question mark (?) in the following series.
16,17,21,30,46,?

A 81

B 77

C 71

D 63

Answer: C

Explanation:

The pattern followed is :

$$16 + (1)^2 = 17$$

$$17 + (2)^2 = 21$$

$$21 + (3)^2 = 30$$

$$30 + (4)^2 = 46$$

$$46 + (5)^2 = 71$$

=> Ans - (C)

Question 31

After interchanging the given two numbers, what will be the value of $6 + 7 \times 3 - 8 \div 4$?

3 and 6

A 41

- B 42
- C 43
- D 38

Answer: C

Explanation:

Expression : $6 + 7 \times 3 - 8 \div 4$?

After interchanging 3 and 6, we get :

$$= 3 + 7 \times 6 - 8 \div 4$$

$$= 3 + 42 - 2 = 43$$

=> Ans - (C)

Question 32

Select the number that can replace the question mark (?) in the following series.
1138, 1150, 1163, 1177, ?

- A 1196
- B 1202
- C 1192
- D 1204

Answer: C

Explanation:

The pattern followed is :

$$1138 + 12 = 1150$$

$$1150 + 13 = 1163$$

$$1163 + 14 = 1177$$

$$1177 + 15 = \mathbf{1192}$$

=> Ans - (C)

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Question 33

In a certain code language, 'STORED' is written as 'URQPGB'. What is the code for 'POINTA' in that code language?

- A SNMLWZ
- B SNLMWZ
- C RMLKVY
- D RMKLVY

Answer: D

Explanation:

'STORED' is written as 'URQPGB'

The pattern followed is :

| | | | | | |
|------|------|------|------|------|------|
| S | T | O | R | E | D |
| (+2) | (-2) | (+2) | (-2) | (+2) | (-2) |
| U | R | Q | P | G | B |

Similarly, for POINTA :

| | | | | | |
|------|------|------|------|------|------|
| P | O | I | N | T | A |
| (+2) | (-2) | (+2) | (-2) | (+2) | (-2) |
| R | M | K | L | V | Y |

=> Ans - (D)

Question 34

A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.
RAM, VET, ZIA, ? , HQO

- A DNI
- B DNH
- C DMI
- D DMH

Answer: D

Explanation:

Expression : RAM, VET, ZIA, ? , HQO

The pattern followed in each letter of the terms is :

1st letter : R (+4) = V (+4) = Z (+4) = **D** (+4) = H

2nd letter : A (+4) = E (+4) = I (+4) = **M** (+4) = Q

3rd letter : M (+7) = T (+7) = A (+7) = **H** (+7) = O

Thus, missing term : **DMH**

=> Ans - (D)

Question 35

Select the option that is related to the third number in the same way as the second number is related to the first number.
39 : 117 :: 45 : ?

- A 145
- B 155
- C 135
- D 125

Answer: C

Explanation:

Expression = 39 : 117 :: 45 : ?

The pattern followed is = $x : 3x$

Eg :- 39 : $3 \times 39 = 39 : 117$

Similarly, $3 \times 45 = 135$

=> Ans - (C)

Question 36

Six shopkeepers K, P, R, X, A and C are sitting around a circular table facing towards the centre (not necessarily in the same order). C is second to the left of A. P is to the immediate right of K. X is second to the right of R. A is to the immediate left of X. Which of the following pair of shopkeepers represents the immediate neighbours of X?

- A A and K
- B A and c
- C K and P
- D A and R

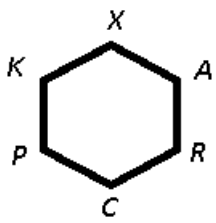
Answer: A

Explanation:

C is second to the left of A. A is to the immediate left of X, => X sits opposite C.

X is second to the right of R, => R sits between A and C.

P is to the immediate right of K, => P sits to the immediate left of C.



=> A and K represents the immediate neighbours of X.

=> Ans - (A)

Question 37

In a certain code language, 'TABLE' is written as '2012125', 'ROBIN' is written as '18152914'. What is the code for 'NATOM' in that code language?

- A 142101153
- B 142011513
- C 141201315
- D 141201513

Answer: D

Explanation:

'TABLE' is written as '2012125'

The pattern followed is that we can get the number by appending the numerical value of the alphabets, when arranged chronologically. A=1, B=2, C=3 and so on.

TABLE : 20,1,2,12,5

Similarly, ROBIN : 18,15,2,9,14 = 18152914

NATOM : 14,1,20,15,13 = **141201513**

=> Ans - (D)

Question 38

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 D are A.

II. All A are B.

Conclusions:

I. Some B are D.

II. All D are A

A Both conclusion I and II follows

B Only conclusion II follows

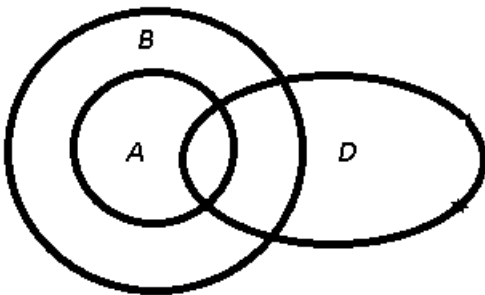
C Only conclusion I follows

D Neither conclusion follow

Answer: C

Explanation:

The venn diagram for above statements is :



Conclusions:

I. Some B are D = true

II. All D are A = false

Thus, only conclusion I follows.

=> Ans - (C)

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Question 39

In a certain code language, 'PANKIL' is written as 'SDQNLO'. What is the code for 'ROHANS' in that code language?

A VRKDQU

B VRKDQV

C URKDQU

D URKDQV

Answer: D

Explanation:

'PANKIL' is written as 'SDQNLO'

The pattern followed is :

| | | | | | |
|------|------|------|------|------|------|
| P | A | N | K | I | L |
| (+3) | (+3) | (+3) | (+3) | (+3) | (+3) |
| S | D | Q | N | L | O |

Similarly, for ROHANS :

| | | | | | |
|------|------|------|------|------|------|
| R | O | H | A | N | S |
| (+3) | (+3) | (+3) | (+3) | (+3) | (+3) |
| U | R | K | D | Q | V |

=> Ans - (D)

Question 40

In a certain code language, 'GUD' is written as '31', 'PUH' is written as '44'. What is the code for 'FAR' in that code language?

- A 25
- B 23
- C 24
- D 26

Answer: C

Explanation:

We can get the number by adding the numerical value of the alphabet and subtracting '1' from the total, when arranged chronologically. A=1, B=2, C=3 and so on.

$$GUD \equiv (7 + 21 + 4) - 1 = 32 - 1 = 31$$

$$PUH \equiv (16 + 21 + 8) - 1 = 45 - 1 = 44$$

$$FAR \equiv (6 + 1 + 18) - 1 = 25 - 1 = 24$$

=> Ans - (C)

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.
Septagon : Figure :: Male : ?

- A Female
- B Gender
- C Brother
- D Work

Answer: B

Explanation:

First is the type of second, septagon is a 7-sided figure, similarly male is one of the genders.

=> Septagon : Figure :: Male : **Gender**

=> Ans - (B)

Question 42

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

+ and -

A $13 - 14 \times 3 + 7 = 48$

B $9 + 16 - 11 \times 2 = 3$

C $11 \times 3 + 5 - 2 = 36$

D $16 \times 4 + 11 - 10 = 65$

Answer: A

Explanation:

By interchanging '+' and '-'

(A) : $13 - 14 \times 3 + 7 = 48$

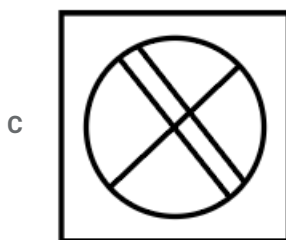
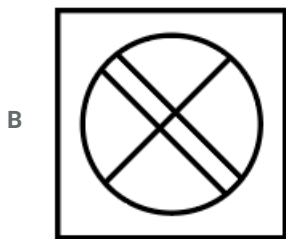
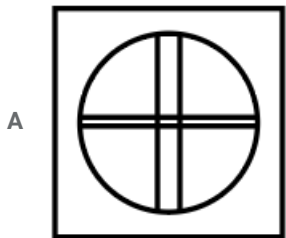
L.H.S. $\equiv 13 + 14 \times 3 - 7$

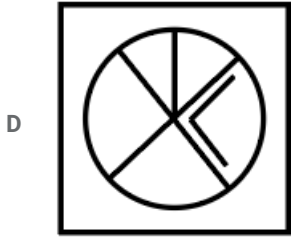
$= 13 + 42 - 7 = 48 = \text{R.H.S.}$

\Rightarrow Ans - (A)

Question 43

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





Answer: C

Question 44

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

Garage : Mechanic :: ?

- A Labour : Factory
- B Hospital : Doctor
- C Temple : Teacher
- D Teacher : School

Answer: B

Explanation:

The second operates in the first, similarly, a doctor works in a hospital.

=> Garage : Mechanic :: **Hospital : Doctor**

=> Ans - (B)

SSC Daily Practice Set

Question 45

Six friends B, D, F, H, J and L are sitting around a circular table facing towards the centre (not necessarily in the same order). B is to the immediate right of L. D is second to the left of J. F is second to the left of H. L is second to the right of H. Who is sitting third to the left of F?

- A D
- B B
- C J
- D L

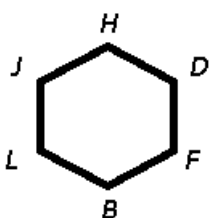
Answer: C

Explanation:

B is to the immediate right of L. L is second to the right of H, => H is sitting opposite to B.

F is second to the left of H. D is second to the left of J, => F is sitting to the immediate right of B.

Also, J is sitting between H and L.



=> J is sitting third to the left of F.

=> Ans - (C)

Question 46

There are five cinema halls in a building - Hall 1, Hall 2, Hall 3, Hall 4 and Hall 5. They are one above the other. Hall 1 is at the bottom, then Hall 2 above it and so on. Five movies A, B, C, D and E are displayed in these given halls. Only one movie is displayed in a particular cinema hall. Each movie is displayed only one time. Movie E is displayed at an even numbered hall. Movie B is displayed at Hall 1. Movie A is displayed at the hall just below E. Movie D is not displayed at an even numbered hall.

Which of the following statements is not correct about movie C?

- A C is displayed at the hall just below A
- B C is displayed at the odd numbered Hall
- C B is displayed at the hall just below C
- D C is displayed at the even numbered Hall

Answer: B

Explanation:

It is given that Movie B is displayed at Hall 1.

Movie E is displayed at an even numbered hall. Movie A is displayed at the hall just below E.

=> E cannot be displayed at Hall 2, since B is already displayed below it. Hence E will be at Hall

Movie D is not displayed at an even numbered hall, => D is at Hall 5.

| Hall | Movie |
|--------|-------|
| Hall 5 | D |
| Hall 4 | E |
| Hall 3 | A |
| Hall 2 | C |
| Hall 1 | B |

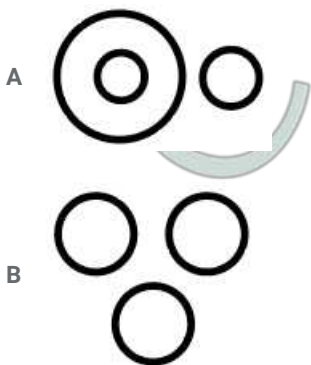
Thus, the only incorrect statement is that C is displayed at the odd numbered Hall.

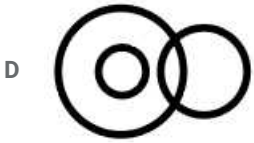
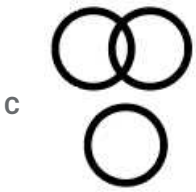
=> Ans - (B)

Question 47

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

Rat, Shoes, Bat

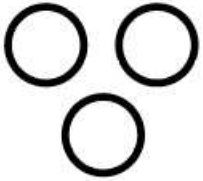




Answer: B

Explanation:

Rat, shoes and bat are completely different things from each other, hence the venn diagram that best describes above relation is :



=> Ans - (B)

SSC GK Free Tests

Question 48

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

JOM : KPN :: PET : ?

A QFV

B ODS

C QFU

D QDU

Answer: C

Explanation:

Expression = JOM : KPN :: PET : ?

The pattern followed is :

| | | |
|------|------|------|
| J | O | M |
| (+1) | (+1) | (+1) |
| K | P | N |

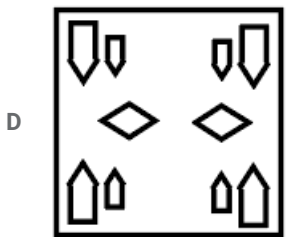
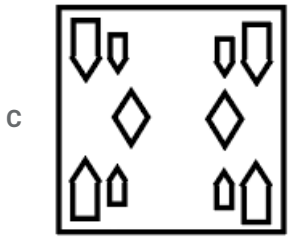
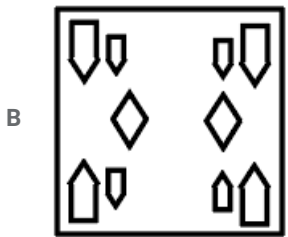
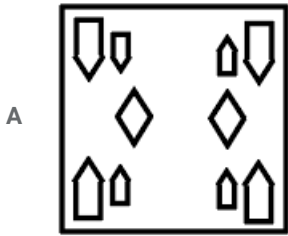
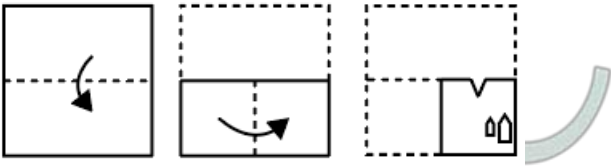
Similarly, for PET :

| | | |
|------|------|------|
| P | E | T |
| (+1) | (+1) | (+1) |
| Q | F | U |

=> Ans - (C)

Question 49

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: C

Explanation:

When the paper is opened, we will have two vertical diamonds at the centre, hence last option is eliminated. Also, there will be four pairs of arrows at each corner, with each pair pointing in the same direction, as shown only in third figure.

=> Ans - (C)

Question 50

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 wires are black.
- II. Some wires are yellow.

Conclusions:

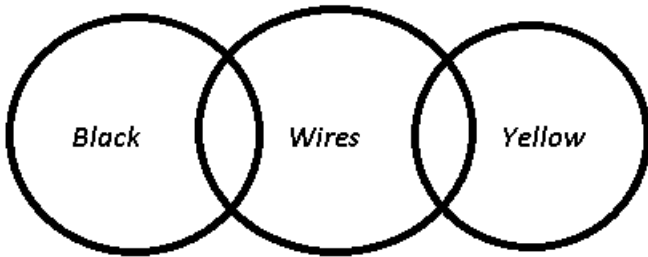
- I. Some black are yellow.
- II. Some black are wires.

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

Answer: D

Explanation:

The venn diagram for above statements is :



Conclusions:

- I. Some black are yellow = false
- II. Some black are wires = true

Thus, only conclusion II follows.

=> Ans - (D)

SSC GK Questions

Quant

Instructions

For the following questions answer them individually

Question 51

A man can finish a piece of work in 15 days. A woman can complete the same work in 10 days. Both work together for 5 days, then the man leaves. How many days will be taken by the woman to finish the remaining work?

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

Answer: D

Explanation:

The man's 1 day's work = $\frac{1}{15}$

The woman's 1 day's work = $\frac{1}{10}$

1 day's work done by both man and woman together = $\frac{1}{15} + \frac{1}{10}$

$$= \frac{(2+3)}{30}$$

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

$$= \frac{1}{6}$$

They work together for 5 days. Hence the work done by both man and woman together = $5 \times \frac{1}{6} = \frac{5}{6}$

Remaining work left = $1 - \frac{5}{6} = \frac{1}{6}$

So, this work will be completed by the woman as men left after working for 5 days.

Hence 10 women will take to complete = $10 \times \frac{1}{6} = \frac{10}{6} = \frac{5}{3} = 1\frac{2}{3}$

Current Affairs Question and Answers (Download PDF)

Question 52

The cost price of two articles is the same. One article among them is sold at a profit of 15% and the other is sold at a profit of 12%. If the difference between their selling prices is 218, what is the cost price of each article?

- A ₹570
- B ₹690
- C ₹400
- D ₹600

Answer: D

Question 53

The monthly incomes of Mohit and Prakash are in the ratio 2: 3. Their monthly expenditures are in the ratio 3: 5. If each saves 25000 per month, then what is the sum of monthly incomes of Mohit and Prakash?

- A ₹40000
- B ₹50000
- C ₹60000
- D ₹42000

Answer: B

Explanation:

profit = income- expenditure

income of Mohit and Prakash is 2x and 3x

and their expenditure is 3y and 5y

saving by ram is

$$2x-3y = 25000$$

$$\text{saving by rahim is } 3x - 5y = 25000$$

by solving both equation we get

$$x=2y$$

put $x=2y$ in above equations we get

$$x = 50000$$

$$y = 25000$$

$$\text{so } 2x = 2 \times 50000 = 100000\text{RS}$$

$$3x = 3 \times 50000 = 125000\text{RS}$$

Question 54

What is the area of a triangle whose sides are 7 cm, 24 cm and 25 cm?

A 72 cm^2

B 108 cm^2

C 84 cm^2

D 42 cm^2

Answer: C

Explanation:

If we look at the given sides, it satisfies the pythagoras theorem, which is $side^2 + side^2 = hypotenuse^2$

$$= 7^2 + 24^2 = 25^2$$

$$\Rightarrow 49 + 576 = 625$$

Hence it would be a right angled triangle.

Area of a right angled triangle = $\frac{\text{base} \times \text{height}}{2}$

Here longer side would be hypotenuse

$$\text{So, Area} = \frac{\text{base} \times \text{height}}{2}$$

$$\frac{7 \times 24}{2}$$

$$= 84 \text{ cm}^2$$

Daily and Monthly Current Affairs (Download PDF)

Question 55

What is the area of the largest square which can be inscribed in a circle of radius 14 cm?

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

A 392 cm^2

B 484 cm^2

C 196 cm^2

D 784 cm^2

Answer: A

Explanation:

Diagonal of the Square = Diameter of the circle

Radius = 14 cm

Diameter = 28 cm

So diagonal = 28 cm

$$\begin{aligned}\text{Area of square} &= \frac{\text{Diagonal} \times \text{diagonal}}{2} \\ &= \frac{28 \times 28}{2} \\ &= 392 \text{ cm}^2\end{aligned}$$

Question 56

What is the value of $\left\{ \frac{(0.7)^2 \div 0.14 + (0.6)^2 \div 0.18 + (0.5)^2 \div 0.05}{4(2.5 \text{ of } 4 - 13 \times 0.25 \times 3)} \right\}$?

A $\frac{25}{2}$

B $\frac{19}{2}$

C $\frac{23}{2}$

D $\frac{21}{2}$

Answer: D

Explanation:

Firstly solve bracket then apply bodmass

$$\left\{ \frac{(0.7)^2 \div 0.14 + (0.6)^2 \div 0.18 + (0.5)^2 \div 0.05}{4(2.5 \text{ of } 4 - 13 \times 0.25 \times 3)} \right\}$$

$$\left\{ \frac{0.49 \div 0.14 + 0.36 \div 0.18 + 0.25 \div 0.05}{4(10 - 13 \times 0.25 \times 3)} \right\}$$

$$\left\{ \frac{\frac{7}{2} + 2 + 5}{4(10 - 13 \times 0.25 \times 3)} \right\}$$

$$\left\{ \frac{\frac{21}{2}}{4(10 - 9.75)} \right\}$$

$$\left\{ \frac{\frac{21}{2}}{4(10 - 9.75)} \right\}$$

$$\frac{21}{2}$$

Question 57

A bus covers first 200 km of a journey in 4 hours and the next 600 km in 6 hours. What is the average speed of the bus for the whole journey?

A 100 km/h

B 90 km/h

C 60 km/h

D 80 km/h

Answer: D

Explanation:

$$\text{Average speed} = \frac{\text{total distance}}{\text{total time taken}}$$

Total distance = 800 km

Total time = 10 hours

Average speed = $\frac{800}{10}$

80 km/h

SSC CHSL Previous Papers (DOWNLOAD PDF)

Question 58

The ratio of two whole numbers is 5 : 7. Which of the following can be their sum?

- A 54
- B 60
- C 46
- D 68

Answer: B

Explanation:

The ratio 5:7

The no. is $5x$ and $7x$

So the sum is $5x + 7x$

$$= 12x$$

The number should be divisible by 12 . So the number is 60

Question 59

A certain sum invested on compound interest (compounded annually) grows to 25040 in three years. If the rate of interest is 20% for the first year, 40% for the second and 50% for the third year, then what is the sum?

- A ₹1210
- B ₹2566
- C ₹1800
- D ₹2000

Answer: D

Explanation:

$$\text{Sum} = P \left(1 + \frac{R_1}{100}\right) \left(1 + \frac{R_2}{100}\right) \left(1 + \frac{R_3}{100}\right)$$

$$25040 = P \left(1 + \frac{20}{100}\right) \left(1 + \frac{40}{100}\right) \left(1 + \frac{50}{100}\right)$$

$$= 9936.5$$

Question 60

Samrat alone can complete a work in 10 days and Virat alone can complete the same work in 40 days. If they are working on alternate days with Samrat starting the work, then in how many days will the total work be completed?

- A 14 days
- B 16 days
- C 8 days

D 12 days

Answer: B

Explanation:

S = 10 days

V = 40 days

Total work = lcm (10,40) = 40 days

S's efficiency = $40 \div 10 = 4$

V's efficiency = $40 \div 40 = 1$

Work = *efficiency* \times *day*

Starting with Samrat and followed by Virat

$4 + 1 + 4 + 1 \dots\dots\dots = 40$

Consider 4+1 as a 1 unit

$5n = 40$

$n = 8$

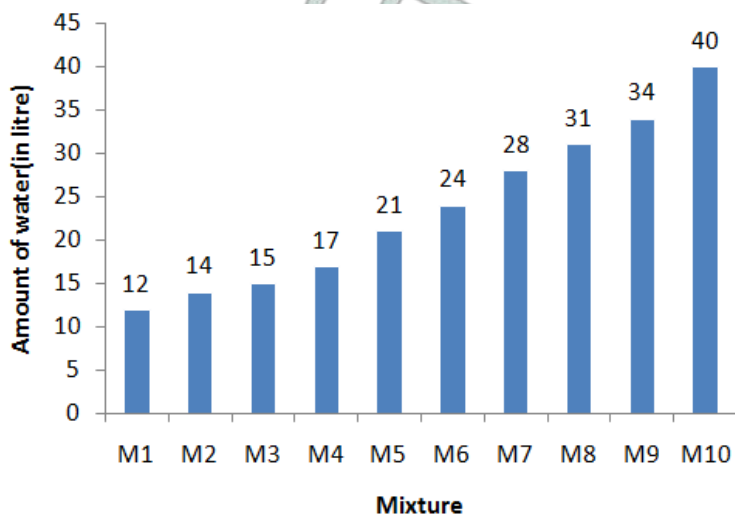
$= 8 \times 2$

$= 16$ days

SSC Stenographer Previous Papers (Download PDF)

Question 61

The Bar graph given below presents the amount (volume in litres) of water in ten different mixtures.



The amount of water in mixture M7 is how much more than the average amount of water per mixture?

A 4

B 4.4

C 4.2

D 4.6

Answer: B

Explanation:

The amount of water in mixture M7 = 28

$$\text{avg} = \frac{12+14+15+17+21+24+28+31+34+40}{10} = 23.6 \text{ litre}$$

so,

= avg - amount of water in mixture M7

$$= 28 - 23.6$$

$$= 4.4$$

Question 62

What is the Least Common Multiple of all even numbers between 5 and 13?

A 120

B 90

C 180

D 60

Answer: A

Explanation:

even no. between 5 to 13

6,8,10,12

$$6 = 2 \times 3$$

$$8 = 2 \times 2 \times 2$$

$$10 = 2 \times 5$$

$$12 = 2 \times 2 \times 3$$

Select the common terms

$$\text{LCM} = 2 \times 2 \times 2 \times 3 \times 5$$

$$= 120$$

Question 63

Average of 12 numbers is 48. If each number is increased by 11, then what will be the new average?

A 13

B 58

C 64

D 59

Answer: D

Explanation:

$$\text{average} = \frac{\text{sum of no.}}{\text{total no.}}$$

$$48 = \frac{\text{sum of no.}}{12}$$

$$\text{Sum of no.} = 576$$

If each no. is increased by 11

$$\text{So, } 11 \times 12 = 132$$

$$\text{New avg} = \frac{\text{sum of no.}}{\text{total no.}}$$

$$\text{New avg} = \frac{576+132}{12}$$

SSC GD Constable Previous Papers

Question 64

A sum of 21500 is invested at simple interest for x months. If the rate of interest is % per annum, then the sum grows to 1590. What is the value of x ?

- A 3.2
- B 2.4
- C 32
- D 24

Answer: D

Question 65

A man sold a watch at a discount of 60% for 21560. What is the marked price of the watch?

- A ₹3900
- B ₹3600
- C ₹3300
- D ₹3700

Answer: A

Explanation:

marked price = 100

Discount = 60

$$= \frac{60}{100} \times 100$$

$$= 60$$

s.p = marked price - discount

$$= 100 - 60$$

$$= 40$$

S.p = 1560

$$40 = 1560$$

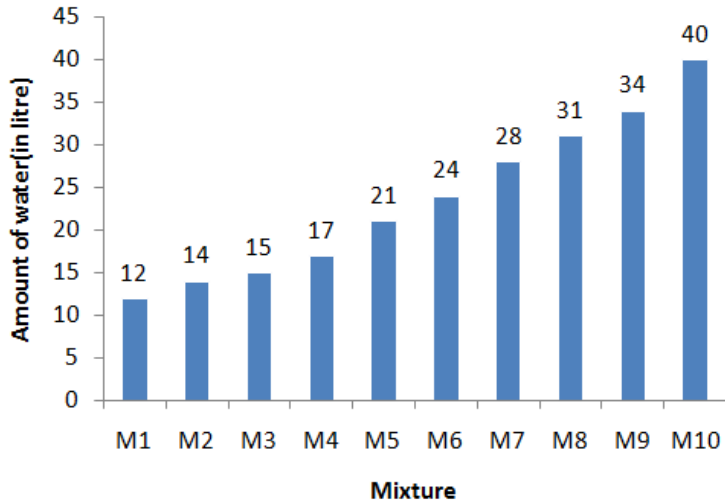
$$= 39$$

So marked price = 39×100

$$= \text{Rs } 3900$$

Question 66

The Bar graph given below presents the amount (volume in litres) of water in ten different mixtures.



The amount of water in mixture M3 is what percent of amount of water in mixture M6?

- A 44.5
- B 62.5
- C 50.5
- D 56.5

Answer: B

Explanation:

The amount of water in mixture M3 = 15

The amount of water in mixture M6 = 24

so,

$$= \frac{M3}{M4} 100$$

$$= \frac{15}{24} 100$$

$$= 62.5\%$$

SSC MTS Previous Papers (DOWNLOAD PDF)

Question 67

The difference between the cost price and the selling price of a bat is 180. If there is a profit of 20%, then what is the selling price of the bat?

- A ₹1080
- B ₹1240
- C ₹1040
- D ₹1120

Answer: A

Explanation:

let C.P = Rs 100

Profit = 20%

= 20% of 100

=Rs 20

So S.P =120

Given that $C.P - S.P = 180$

$20 = 180$

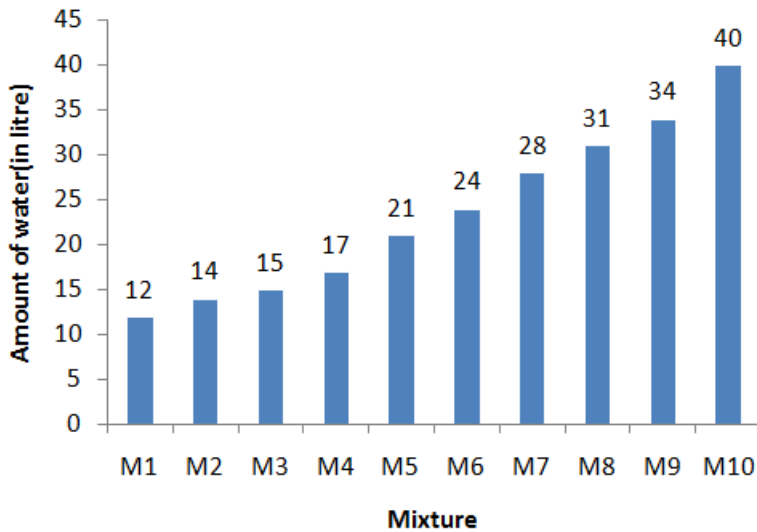
$1 = 9$

So, $120 = 120 \times 9$

= Rs 1080

Question 68

The Bar graph given below presents the amount (volume in litres) of water in ten different mixtures.



What is the average amount of water per mixture?

A 24.8 litre

B 23.6 litre

C 24.4 litre

D 24 litre

Answer: B

Explanation:

the average amount of water per mixture = $\frac{12+14+15+17+21+24+28+31+34+40}{10} = 23.6$ litre

Question 69

The number of tables that can be purchased by a person in 22800 gets reduced by 20 if the price is increased by 40%. What is the initial price of each table?

A ₹40

B ₹36

C ₹56

D ₹48

Answer: A

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Question 70

What is the value of $(1 - \frac{1}{4}) + (\frac{1}{2} \text{ of } \frac{1}{2}) \div \frac{2}{5}$
 $\frac{2}{5} \div \frac{1}{4} + 2(\frac{3}{2} - \frac{8}{5})$?

- A $\frac{2}{3}$
- B $\frac{5}{8}$
- C $\frac{4}{5}$
- D $\frac{5}{11}$

Answer: B

Explanation:

Firstly solve bracket then apply bodmass

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

$$\frac{3}{4} + \frac{1}{4} \div \frac{2}{5}$$
$$\frac{2}{5} \div \frac{1}{4} + 5$$

$$\frac{3}{4} + \frac{5}{3}$$
$$\frac{5}{5} + 5$$

$$\frac{5}{8}$$

Question 71

If $X^2 + Y^2 = 100$ and $X : Y = 4 : 3$, then what is the value of $X^2 - Y^2$?

- A 18
- B 28
- C 36
- D 24

Answer: B

Explanation:

let $X:Y = 4a:3a$

$$X^2 + Y^2 = 100$$

Now put x, y value in above equation

$$(4a)^2 + (3a)^2 = 100$$

$$25a^2 = 100$$

$$a = 2$$

$$X = 8$$

$$Y = 6$$

$$X^2 - Y^2 = 8^2 - 6^2 = 64 - 36 = 28$$

Question 72

What is the median of 7, 18, 6, 9, 4, 15, 21, 14, 26?

- A 14.5
- B 14
- C 15
- D 16

Answer: B

Explanation:

7, 18, 6, 9, 4, 15, 21, 14, 26

Arrange this no.

4, 6, 7, 9, 14, 15, 18, 21, 26

Middle term is our median

= 14

SSC CGL Free Mock Test (Latest Pattern)

Question 73

What is the average of all the multiples of 6 from 20 to 80?

- A 51
- B 50
- C 48
- D 52

Answer: A

Explanation:

$$\text{Sum of no.} = \frac{\text{no. of term}}{2} \times (\text{first term} + \text{last term})$$

$$\text{Avg} = \frac{\text{sum of no}}{\text{no. of term}}$$

$$= \frac{\text{first term} + \text{Last term}}{2}$$

First term which is multiplied by 6 after 20 is 24 and last no. is 80

$$= \frac{24 + 80}{2}$$

$$= 52$$

Question 74

A boat covers 64 km upstream in 8 hours and 120 km downstream in 12 hours. What is the speed (in m/s) of the boat in still water?

- A 2.5
- B 2
- C 3.5
- D 3

Answer: A

Explanation:

$$\text{downstream speed} = \frac{\text{distance}}{\text{time}}$$

$$\text{downstream speed} = \frac{120}{12}$$

$$= 10 \text{ km/hr}$$

$$\text{upstream speed} = \frac{\text{distance}}{\text{time}}$$

$$\text{upstream speed} = \frac{64}{8}$$

$$= 8 \text{ km/hr}$$

$$\text{Speed of the boat in still water} = \frac{\text{speed of upstream} + \text{speed of downstream}}{2}$$

$$= \frac{10+8}{2}$$

$$= 9 \text{ km/hr}$$

Change into m/s

$$= (9) \times \frac{5}{18} = 2.5 \text{ m/s}$$

Question 75

The height of a right circular cone is 24 cm and the radius of its base is 7 cm. What is the cost of painting the curved surface area of the cone at the rate of ₹6 per cm^2 ? (Take $\pi = \frac{22}{7}$)

A ₹3600

B ₹3300

C ₹880

D ₹4200

Answer: B

Explanation:

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

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

$$l = \sqrt{r^2 + h^2} = \sqrt{24^2 + 7^2} = \sqrt{576 + 49} = \sqrt{625}$$

$$= 25 \text{ cm}$$

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

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

$$\text{Given, rate} = ₹6 \text{ per cm}^2$$

$$= 550 \times 6$$

$$= ₹3300$$

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General knowledge

Instructions

For the following questions answer them individually

Question 76

What will be the size of image formed by a concave mirror when an object placed between Pole and Focus?

- A Same Size
- B Enlarged
- C Point Size
- D Diminished

Answer: B

SSC Stenographer Previous Papers (Latest Pattern)

Question 77

Where was Guru Nanak Dev born?

- A Gurdaspur
- B Jalalabad
- C Talwandi
- D Phillaur

Answer: C

Question 78

Which of the following is NOT an Indian Multi National Company?

- A Mahindra Group
- B Unilever
- C Infosys
- D Aditya Birla Group

Answer: B

Question 79

In which year the National Food Security Act was passed in India?

- A 2011
- B 2013
- C 2012
- D 2014

Answer: B

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Question 80

In which of the following state 'Hampi Dance Festival' is celebrated?

- A Kerla
- B Karnataka
- C Tamilnadu
- D Telangana

Answer: B

Question 81

Which state in India has made roof top rainwater harvesting structure compulsory to all the houses in the state?

- A Maharastra
- B Kerala
- C Tamil Nadu
- D Odisha

Answer: C

Question 82

What combination of paternal chromosome results in a female?

- A ZX
- B XX
- C YZ
- D XY

Answer: B

SSC MTS Free Mock Test (Latest Pattern)

Question 83

Who is the Minister of Youth Affairs and Sports in India as of June 2019?

- A Vijay Goel
- B Kiren Rijiju
- C Rajyavardhan Singh Rathore
- D Jitendra Singh

Answer: B

Question 84

Which of the following gas causes rancidity in food product?

- A Oxygen

- B Hydrogen
- C Nitrogen
- D Carbon monoxide

Answer: A

Question 85

Who among the following is the writer of the novel 'The room on the roof'?

- A Ruskin Bond
- B Khushwant Singh
- C Manohar Malgonkar
- D R. K. Narayan

Answer: A

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Question 86

Which of the following synthetic chemical is responsible for ozone layer depletion?

- A Biopolymer
- B Chlorofluorocarbons
- C Polyvinylchloride
- D Methanol

Answer: B

Question 87

Arundhati Roy is the recipient of which of the following International awards?

- A Ramon Magsaysay
- B Noble Prize
- C Pulitzer Prize
- D Man Booker Prize

Answer: D

Question 88

'Amoeba' belongs to which of the following kingdom?

- A Monera
- B Fungi
- C Protista

D Animalia

Answer: C

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Question 89

Who is known as 'Haryana Hurricane'?

A Kapil Dev

B Jogindar Rao

C Virendra Sehwal

D Yuzvendra Chahal

Answer: A

Question 90

The Hanging Gardens of Babylon is associated to which of the following ancient cultures?

A Egyptian

B Mesopotamia

C Chinese

D Harappan

Answer: B

Question 91

Which dynasty had developed the Gandhara School of Art in ancient India?

A Kushan dynasty

B Gupta dynasty

C Mauryan dynasty

D . Chola dynasty

Answer: A

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Question 92

Which of the following Motif is present on 2000 Rupee note of Indian Currency?

A Mangalyaan

B Sanchi Stupa

C Sun Temple

D Hampi with Chariot

Answer: A

Question 93

Who was appointed as Assembly's Constitutional Adviser in 1946 during the framing of Indian Constitution?

- A B.N. Rau
- B B.R. Ambedkar
- C Gopalswami Ayengar
- D K.M. Munshi

Answer: A

Question 94

With reference to the GI Tag in India, which of the following pairs is correct?

- A Chanderi saree - Maharashtra
- B Aranmula Kannadi - Karnataka
- C East India Leather - Tamil Nadu
- D Kani Shawl - Gujarat

Answer: C

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Question 95

Which article in Indian Constitution states about Fundamental Duties?

- A Article 31C
- B Article 21A
- C Article 15
- D Article 51A

Answer: D

Question 96

What is the name of Captain of Indian Mens National Hockey team 2019?

- A Hardik Singh
- B Jaskaran Singh
- C Sandeep Singh
- D Manpreet Singh

Answer: D

Question 97

Where is headquarter of Allahabad Bank situated?

- A Allahabad
- B Hyderabad
- C Mumbai
- D Kolkata

Answer: D

SSC Study Material

Question 98

What was the name of Swami Vivekananda's Guru?

- A Ramana Maharishi
- B Paramhansa Yogananda
- C Adi Shankaracharya
- D Ramkrishna Paramhansa

Answer: D

Question 99

When was the national anthem adopted in its Hindi version?

- A 24 January 1950
- B 26 January 1950
- C 2 October 1948
- D 15 August 1947

Answer: A

Question 100

Guru Ghasidas National Park is located in:

- A Chhattisgarh
- B Madhya Pradesh
- C Uttar Pradesh
- D Bihar

Answer: A

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