



SSC MTS 21 September 2017 Shift 2

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

Reasoning

Instructions

For the following questions answer them individually

Question 1

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

8	2	4	14
7	6	5	18
4	2	5	?

- A 9
- B 10
- C 11
- D 12

Answer: C

Explanation:

In each row, the number at the end is the sum of first three numbers.

$$\text{Eg :- } 8 + 2 + 4 = 14$$

$$\text{and } 7 + 6 + 5 = 18$$

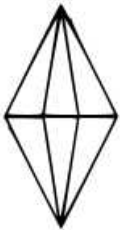
$$\text{Similarly, } 4 + 2 + 5 = 11$$

=> Ans - (C)

SSC CHSL Previous Papers (DOWNLOAD PDF)

Question 2

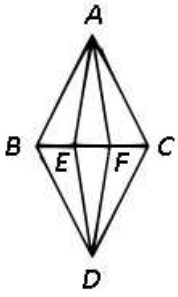
How many triangles are there in the given figure



- A 8
- B 10
- C 12
- D 14

Answer: C

Explanation:



Small triangles = ABE, AEF, AFC, BED, DEF, CDF

Triangles (having 2 triangles) = ABF, AEC, BFD, CDE

Triangles (having 3 triangles) = ABC, BCD

Thus, total triangles = 12

=> Ans - (C)

Question 3

A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as shown in the given two matrices. The columns and rows of Matrix-I are numbered from 0 to 4 and that of Matrix-II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, for example, 'C' can be represented by 11, 67, etc., and 'V' can be represented by 30, 66, etc. Similarly, you have to identify the set for the word "TRADE".

	0	1	2	3	4
0	A	K	S	Y	D
1	F	C	M	U	B
2	N	H	E	O	W
3	T	P	J	G	Q
4	X	V	R	L	I

	5	6	7	8	9
5	B	L	V	E	O
6	J	T	C	M	W
7	H	R	A	K	U
8	F	P	Z	I	S
9	D	N	X	G	Q

A 30, 42, 01, 96, 58

B 30, 76, 78, 04, 22

C 66, 42, 00, 95, 58

D 66, 77, 00, 95, 31

Answer: C

Explanation:

(A) : 30, 42, 01, 96, 58 = TRKNE

(B) : 30, 76, 78, 04, 22 = TRKDE

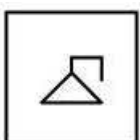
(C) : 66, 42, 00, 95, 58 = **TRADE**

(D) : 66, 77, 00, 95, 31 = TAADP

=> Ans - (C)

Question 4

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



- A
- B
- C
- D

Answer: A

Explanation:

The above figure is represented by 'red' color and is hidden in:



=> Ans - (A)

SSC Stenographer Previous Papers (Download PDF)

Question 5

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



- A
- B
- C

D



Answer: A

Explanation:

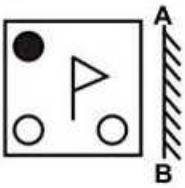
The question figure will be completed by :



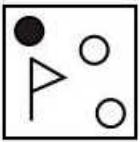
=> Ans - (A)

Question 6

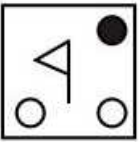
If a mirror is placed on the line AB. then which of the answer figures is the right image of the given figure?



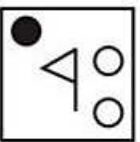
A



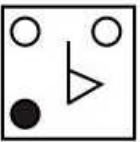
B



C



D



Answer: B

Explanation:

A vertical mirror is placed, so the object on the left will appear right in reverse position and vice-versa.

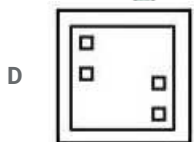
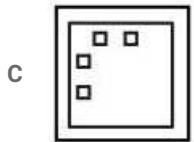
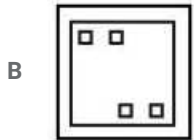
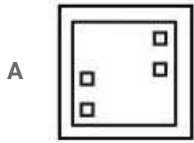
So the flag in the middle (pointing rightwards) will be reversed and will now point to left side, thus the first and last options will be eliminated.

Also, in the question figure, the black circle at top left will now appear at top right side, hence second option is the right image.

=> Ans - (B)

Question 7

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

SSC GD Constable Previous Papers

Question 8

If '+' means '-', '-' means '+', 'x' means '÷' and '÷' means 'x', then

$$24 + 12 \div 6 - 4 = ?$$

A - 22

B 22

C - 29

D 32

Answer: A

Explanation:

Expression : $24 + 12 \div 6 - 4 = ?$

$$\equiv 24 \div 12 - 6 \times 4$$

$$= \frac{24}{12} - 24$$

$$= 2 - 24 = -22$$

=> Ans - (A)

Question 9

If $3 + 6 + 1 = 163$ and $5 + 4 + 9 = 945$, then $4 + 2 + 3 = ?$

- A 432
- B 243
- C 234
- D 324

Answer: D

Explanation:

Given : $3 + 6 + 1 = 163$ and $5 + 4 + 9 = 945$

The pattern followed is that the numbers are written in reverse order, i.e. the number at first position comes at the end and vice-versa while the middle number stays as it is.

Thus, $4 + 2 + 3 = 324$

=> Ans - (D)

Question 10

Arrange the given words in the sequence in which they occur in the dictionary.

1. Crying
2. Crypt
3. Cooled
4. Cooking
5. Captain

- A 53421
- B 54312
- C 54132
- D 53412

Answer: B

Explanation:

As per the order of dictionary :

= Captain -> Cooking -> Cooled -> Crying -> Crypt

≡ 54312

=> Ans - (B)

SSC MTS Previous Papers (DOWNLOAD PDF)

Question 11

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

4, 8, 16, ?, 64, 128

- A 30
- B 28
- C 24

D 32

Answer: D

Explanation:

Each number is multiplied by 2

$$4 \times 2 = 8$$

$$8 \times 2 = 16$$

$$16 \times 2 = 32$$

$$32 \times 2 = 64$$

$$64 \times 2 = 128$$

=> Ans - (D)

Question 12

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

TVU, WYX, ZBA, ?

A DEC

B DCE

C CED

D CDE

Answer: C

Explanation:

Expression : TVU, WYX, ZBA, ?

The pattern followed in each letter of the terms is :

1st letter : T (+3 letters) = W (+3 letters) = Z (+3 letters) = C

2nd letter : V (+3 letters) = Y (+3 letters) = B (+3 letters) = E

3rd letter : U (+3 letters) = X (+3 letters) = A (+3 letters) = D

Thus, missing term = **CED**

=> Ans - (C)

Question 13

In the following question, select the odd word pair from the given alternatives.

A Tall : Short

B Above : Top

C Laugh : Cry

D Fat : Thin

Answer: B

Explanation:

Apart from (Above : Top), all the other given pairs are opposite of each other, hence it is the odd one out.

=> Ans - (B)

SSC CGL Previous Papers (DOWNLOAD PDF)

Question 14

In the following question, select the odd number from the given alternatives.

- A 26
- B 64
- C 36
- D 144

Answer: A

Explanation:

$$(8)^2 = 64, (6)^2 = 36 \text{ and } (12)^2 = 144$$

26 is the only number which is not a perfect square, hence it is the odd one out.

=> Ans - (A)

Question 15

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

- A AC
- B PR
- C TU
- D JL

Answer: C

Explanation:

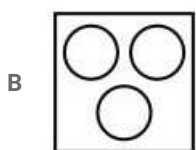
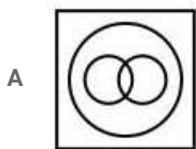
Apart from **TU** (which are consecutive letters in the English alphabetical series), other pairs have a gap of 1 letter between them, hence TU is the odd one out.

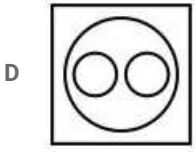
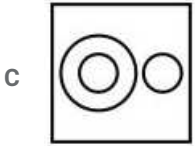
=> Ans - (C)

Question 16

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

Four wheelers, Jeep, Car





Answer: D

Explanation:

Both jeep and car are different from each other, but comes under the category of four wheelers, hence the venn diagram that best describes above relation is :



=> Ans - (D)

SSC CGL Free Mock Test (Latest Pattern)

Question 17

In the following question, select the related word pair from the given alternatives.

Bird : Fly :: Fish : ?

- A Swim
- B Crawl
- C Running
- D Walking

Answer: A

Explanation:

Expression = Bird : Fly :: Fish : ?

The primary ability of a bird is to fly similarly a fish **swims**.

=> Ans - (A)

Question 18

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

4 : 16 :: 9 : ?

- A 64
- B 81
- C 72
- D 90

Answer: B

Explanation:

Expression = 4 : 16 :: 9 : ?

The pattern followed is that = $n : n^2$

Eg :- $(4)^2 = 16$

Similarly, $(9)^2 = 81$

=> Ans - (B)

Question 19

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

ACE : BEH :: BUS : ?

A CWV

B CWU

C CXV

D CWX

Answer: A

Explanation:

Expression = ACE : BEH :: BUS : ?

The pattern followed is :

A	C	E
(+1)	(+2)	(+3)
B	E	H

Similarly, BUS : **CWV**

B	U	S
(+1)	(+2)	(+3)
C	W	V

=> Ans - (A)

SSC CHSL Free Mock Test (Latest Pattern)

Question 20

In the following question, select the word which cannot be formed using the letters of the given word.

HOWLINGS

A WINS

B HONS

C SLIP

D SING

Answer: C

Explanation:

The word HOWLINGS does not contain any 'P', thus the term **Slip** cannot be formed.

=> Ans - (C)

Question 21

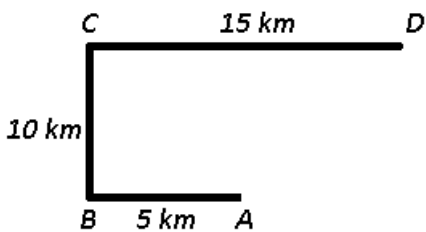
A walks 5 km toward west. He turns right and walks 10 km. He again turns right and walks 15 km. how far (in km) is he from his starting point?

- A $10\sqrt{2}$
- B $10\sqrt{3}$
- C 20
- D 10

Answer: A

Explanation:

Let A starts from point A and walks 5 km toward west to reach point B. He turns right and walks 10 km to reach C. He again turns right and walks 15 km eastwards to finally stop at point D.



$$\text{Thus, Distance AD} = \sqrt{(10)^2 + (15 - 5)^2}$$
$$= \sqrt{100 + 100} = \sqrt{200} = 10\sqrt{2} \text{ km}$$

=> Ans - (A)

Question 22

A, B, C, D and E are standing in line facing north. C stands in the middle. B and E cannot stand with C. A is not standing to the right of C. Who is standing second from left end?

- A D
- B A
- C B
- D Cannot be determined

Answer: B

Explanation:

C stands in the middle. B and E cannot stand with C

=> B and E stands at either ends of the row

B/E		C		B/E
-----	--	---	--	-----

A is not standing to the right of C, => A is standing to the immediate left of C.

Thus, the final arrangement is :

B/E	A	C	D	B/E
-----	---	---	---	-----

∴ A is standing second from left end.

=> Ans - (B)

SSC Stenographer Previous Papers (Latest Pattern)

Question 23

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

Statements:

- I. All chairs are cups.
- II. Some chairs are tables.

Conclusions:

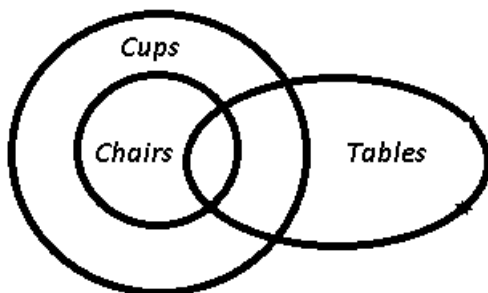
- I. Some tables are chairs.
- II. Some tables are cups.

- A Only conclusion (I) follows.
- B Only conclusion (II) follows.
- C Both conclusion follow.
- D Neither conclusion (I) nor conclusion (II) follows.

Answer: C

Explanation:

The venn diagram for above statements is :



Conclusions:

- I. Some tables are chairs = true
- II. Some tables are cups = true

Thus, both conclusion follow.

=> Ans - (C)

Question 24

In a certain code language, "STAMP" is written as "UVCOR". How is "PAPER" written in that code language?

- A RCRGT
- B RCRGU
- C RDRGT
- D RBRGT

Answer: A

Explanation:

"STAMP" is written as "UVCOR"

The pattern followed is :

S	T	A	M	P
(+2)	(+2)	(+2)	(+2)	(+2)
U	V	C	O	R

Similarly, for PAPER : **RCRGT**

P	A	P	E	R
(+2)	(+2)	(+2)	(+2)	(+2)
R	C	R	G	T

=> Ans - (A)

Question 25

In a certain code language, "PIN" is written as "78" and "SIN" is written as "84". How is "BIN" written in that code language?

- A 25
- B 50
- C 75
- D 30

Answer: B

Explanation:

The pattern followed is that when the alphabets are sequentially numbered, i.e. A=1, B=2, C=3 and so on.

Sum of the numbers is multiplied by 2.

$$\text{PIN} = 2 \times (16 + 9 + 14) = 2 \times 39 = 78$$

$$\text{and SIN} = 2 \times (19 + 9 + 14) = 2 \times 42 = 84$$

$$\text{Similarly, BIN} = 2 \times (2 + 9 + 14) = 2 \times 25 = 50$$

=> Ans - (B)

SSC GD Constable Free Mock Test (Latest Pattern)

English

Instructions

In the following question, some part of the sentence may have errors. Find out which part of the sentence has an error and select the appropriate option. If a sentence is free from error, select 'No Error'.

Question 26

Just before (1)/ the sun rises, (2)/ you will see the dawn. (3)/ No Error (4)/

- A Just before
- B the sun rises,
- C you will see the dawn.
- D No Error

Answer: B

SSC MTS Free Mock Test (Latest Pattern)

Question 27

Our recommendations are (1)/ based on solid research (2)/ and exacted analysis. (3)/ No Error (4)/

- A Our recommendations are
- B based on solid research
- C and exacted analysis.
- D No Error

Answer: C

Instructions

In the following question, the sentence given with blank to be filled in with an appropriate word. Select the correct alternative out of the four and indicate it by selecting the appropriate option.

Question 28

Suraj is negligent _____ attending his classes.

- A to
- B towards
- C in
- D about

Answer: C

Question 29

Shweta is _____ mother of two daughters.

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

Answer: B

SSC CPO Free Mock Test (Latest Pattern)

Instructions

In the following question, out of the given four alternatives, select the one which best expresses the meaning of the given word.

Question 30

Shrink

- A Develop
- B Diminish

C Expand

D Stretch

Answer: B

Question 31

Versatile

A Limited

B Inflexible

C Unadjustable

D Flexible

Answer: D

Question 32

Unruly

A Lawless

B Compliant

C Obedient

D Cooperative

Answer: A

SSC MTS Free Preparation App

Instructions

In the following question, out of the given four alternatives, select the one which is opposite in meaning of the given word.

Question 33

Assemble

A Collect

B Scatter

C Group

D Reunite

Answer: B

Question 34

Flimsy

A Fragile

B Sturdy

C Inadequate

D Shallow

Answer: B

Question 35

Tactful

A Delicate

B Careless

C Cautious

D gentle

Answer: B

285 SSC Mocks - Just RS. 249

Instructions

In the following question, out of the four given alternatives, select the alternative which best expresses the meaning of the Idiom/Phrase.

Question 36

At a stone's throw

A Very near

B Cause of quarrel

C Increase anger

D Easy task

Answer: A

Question 37

An uphill task

A Unfair blow

B Close fight

C Task of no use

D Difficult task

Answer: D

Instructions

For the following questions answer them individually

Question 38

Improve the bracketed part of the sentence.

He (have ignored) my mail.

A has ignored

- B ignore
- C have been
- D No improvement

Answer: A

SSC Exam Free Videos (Youtube)

Question 39

Improve the bracketed part of the sentence.

When the wind blows, the cradle (was rock).

- A was rocked
- B will rack
- C will rock
- D No improvement

Answer: C

Instructions

In the following question, out of the four given alternatives, select the alternative which is the best substitute of the phrase.

Question 40

One who can neither read nor write.

- A Illegible
- B Inexcusable
- C Illiterate
- D Illegitimate

Answer: C

Question 41

Warning of an impending danger

- A Prediction
- B Superstition
- C Revelation
- D Premonition

Answer: D

SSC Study Material

Instructions

For the following questions answer them individually

Question 42

In the following question, a word has been written in four different ways out of which only one is correctly spelt. Select the correctly spelt word.

- A Narrater
- B Narratur
- C Narrator
- D Nurrator

Answer: C

Question 43

In the following question, a word has been written in four different ways out of which only one is correctly spelt. Select the correctly spelt word.

- A Lecienze
- B License
- C Licinse
- D Licenca

Answer: B

Question 44

Rearrange the parts of the sentence in correct order.

I was

P: night by a

Q: awakened in the

R: noise in the house

- A QPR
- B PRQ
- C QRP
- D RQP

Answer: A

SSC Daily Practice Set

Question 45

Rearrange the parts of the sentence in correct order.

Science means

P: how things

Q: finding out

R: actually happen

- A QPR

- B PRQ
- C PQR
- D RQP

Answer: A

Instructions

In the following passage some of the words have been left out. Read the passage carefully and select the correct answer for the given blank out of the four alternatives.

Summer vacation is the __ (1) __ period during the summer season. All the schools and __ (2) __ become closed during this __ (3) __ because of the high environmental temperature in summer months (especially half May and full June). It becomes the __ (4) __ period of the year during summer vacation. Most of the students generally go to their native village, hill stations, or other cool places to enjoy with cousins, family __ (5) __ or village friends.

Question 46

Summer vacation is the _____

- A busy day
- B holiday
- C boring
- D idle

Answer: B

Question 47

All the schools and _____ become

- A colleges
- B offices
- C complexes
- D shops

Answer: A

Question 48

_____ because of the high

- A day
- B moment
- C period
- D timings

Answer: C

SSC GK Free Tests

Question 49

It becomes the _____ period of the year during

- A hottest
- B horrible
- C pleasant
- D breezy

Answer: A

Question 50

cousins, family _____ of village friends.

- A people
- B women
- C men
- D members

Answer: D

SSC GK Questions

Quant

Instructions

For the following questions answer them individually

Question 51

What is the value of $12 - 22 + 32 - 42 + 62 - 52 + 82 - 72$?

- A - 25
- B - 4
- C 4
- D 0

Answer: D

Explanation:

Expression : $12 - 22 + 32 - 42 + 62 - 52 + 82 - 72$

$$= (12 - 22) + (32 - 42) + (62 - 52) + (82 - 72)$$

$$= (-10) + (-10) + (10) + (10)$$

$$= 20 - 20 = 0$$

=> Ans - (D)

Current Affairs Question and Answers (Download PDF)

Question 52

If $A = 20 \times 50$ and $B = 20 \times 3$ then what is the value of $A \times B$?

- A 20000
- B 60000
- C 40000
- D 240000

Answer: B

Question 53

What is the smallest three digit perfect square?

- A 121
- B 100
- C 144
- D 128

Answer: B

Explanation:

Highest 1 digit number = 9, its square = $(9)^2 = 81$, which is 2 digit.

Next number = 10, its square = $(10)^2 = 100$, which is a 3 digit number.

Thus, 100 is the smallest three digit perfect square.

=> Ans - (B)

Question 54

What is the value of value $\sqrt{0.0016} + \sqrt{0.16} + \sqrt{16}$?

- A 4.44
- B 4.06
- C 4.04
- D 4.16

Answer: A

Explanation:

Expression : $\sqrt{0.0016} + \sqrt{0.16} + \sqrt{16}$

= $0.04 + 0.4 + 4$

= 4.44

=> Ans - (A)

Daily and Monthly Current Affairs (Download PDF)

Question 55

What is the Least Common Multiple of 24, 60 and 48?

A 120

B 240

C 180

D 480

Answer: B

Explanation:

Numbers : 24, 60 and 48

Factors of 24 = $2^3 \times 3$

Factors of 60 = $2^2 \times 3 \times 5$

Factors of 48 = $2^4 \times 3$

Thus, L.C.M. = product of numbers having highest powers.

\therefore Least Common Multiple of 24, 60 and 48 = $2^4 \times 3 \times 5 = 240$

=> Ans - (B)

Question 56

What is the value of $[(0.7)^3 + (0.3)^3] \div [(0.7)^2 - (0.7 \times 0.3) + (0.3)^2]$??

A 0.3

B 0.7

C 1

D 0.4

Answer: C

Explanation:

Expression : $[(0.7)^3 + (0.3)^3] \div [(0.7)^2 - (0.7 \times 0.3) + (0.3)^2]$?

$$= \frac{(0.7)^3 + (0.3)^3}{(0.7)^2 - 0.7 \times 0.3 + (0.3)^2}$$

Let $0.7 = x$ and $0.3 = y$

$$\equiv \frac{(x)^3 + (y)^3}{(x)^2 - xy + (y)^2}$$

Using, $(x^3 + y^3) = (x + y)(x^2 + y^2 - xy)$

$$= \frac{(x+y)(x^2+y^2-xy)}{(x^2+y^2-xy)} = (x + y)$$

$$= 0.7 + 0.3 = 1$$

=> Ans - (C)

Question 57

P and Q together complete a work in 8 days. Q and R together complete a work in 16 days and R and P together complete the same work in 8 days. In how many days P, Q and R together can complete the work?

A 6.4

B 7.2

C 5.8

D 7.1

Answer: A

Explanation:

Let total work is L.C.M. (8,16,8) = 16 units

Let efficiency of P, Q and R respectively be p, q, r units/day

P and Q together can complete the work in 8 days, \Rightarrow (P+Q)'s efficiency = $p + q = \frac{16}{8} = 2$ units/day -----(i)

Similarly (Q+R)'s efficiency = $q + r = \frac{16}{16} = 1$ unit/day -----(ii)

and (R+P)'s efficiency = $r + p = \frac{16}{8} = 2$ units/day -----(iii)

Adding equations (i), (ii) and (iii), we get : $2(p + q + r) = 2 + 1 + 2$

$\Rightarrow (p + q + r) = \frac{5}{2} = 2.5$ -----(iv)

\therefore Days required by P, Q and R together to complete the work = $\frac{16}{2.5} = 6.4$ days

\Rightarrow Ans - (A)

SSC CHSL Prevoius Papers (DOWNLOAD PDF)

Question 58

U and V can complete a piece of work in 6 and 48 days respectively. They contracted to complete the work for Rs 45,000. What will be the share (in Rs) of U?

A 35000

B 37000

C 36000

D 40000

Answer: D

Explanation:

Let total work is L.C.M. (6,48) = 48 units

U alone can complete a work in 6 days, \Rightarrow U's efficiency = $\frac{48}{6} = 8$ units/day

Similarly V's efficiency = $\frac{48}{48} = 1$ unit/day

\Rightarrow Ratio of efficiencies of $U : V = 8 : 1$

Total amount = Rs. 45,000

\Rightarrow U's share = $\frac{8}{(8+1)} \times 45,000$

= $8 \times 5,000 = Rs. 40,000$

\Rightarrow Ans - (D)

Question 59

The height of two cylinders are equal and their radius are in the ratio of 1 : 3 respectively. What is the respective ratio of the volume of the two cylinders?

A 1 : 3

B 1 : 9

C 1 : 27

D $1 : \sqrt{3}$

Answer: B

Explanation:

Let heights of both cylinders = h cm

Let radius of first cylinder = r cm, \Rightarrow Radius of second cylinder = $3r$ cm

\Rightarrow Volume of cylinder = $\pi r^2 h$

$$\therefore \text{Required ratio} = \frac{\pi(r)^2 h}{\pi(3r)^2 h}$$

$$= \frac{1}{9}$$

Thus, the respective ratio of the volume of the two cylinders = $1 : 9$

\Rightarrow Ans - (B)

Question 60

An article having marked price of Rs 4300 is sold at a discount of 17%. What is the selling price (in Rs) of the article?

A 3721

B 3459

C 3569

D 3317

Answer: C

Explanation:

Marked price = Rs. 4300

Discount % = 17%

$$\Rightarrow \text{Selling price} = \frac{(100-17)}{100} \times 4300$$

$$= 83 \times 43 = \text{Rs. } 3569$$

\Rightarrow Ans - (C)

SSC Stenographer Previous Papers (Download PDF)

Question 61

An article has marked price of Rs 6800. If two successive discounts of 12% and 20% are given, then what will be the selling price (in Rs)?

A 4787.2

B 4624

C 4460.8

D 4524

Answer: A

Explanation:

Marked price = Rs. 6800

$$\text{After 1st discount of 12\%, price} = 6800 - \left(\frac{12}{100} \times 6800\right)$$

$$= 6800 - 816 = 5984$$

After 2nd discount of 20% (on changed price), selling price = $5984 - \left(\frac{20}{100} \times 5984\right)$

$$= 5984 - 1196.8 = \text{Rs. } 4787.2$$

=> Ans - (A)

Question 62

Shopkeeper sold big, medium and small sized chairs for Rs 650, Rs 500 and Rs 400 respectively. The total number of chairs sold were in the ratio 8 : 13 : 4. What is the average cost (in Rs) of a chair?

A 506

B 546

C 478

D 532

Answer: D

Explanation:

Ratio of big, medium and small sized chairs = 8:13:4

Price of big, medium and small sized chairs (in Rs.) = 650, 500, 400

$$\Rightarrow \text{Average cost of a chair} = \frac{(8 \times 650) + (13 \times 500) + (4 \times 400)}{(8 + 13 + 4)}$$

$$= \frac{(5200 + 6500 + 1600)}{25}$$

$$= \frac{13300}{25} = \text{Rs. } 532$$

=> Ans - (D)

Question 63

If $u : v : w = 1 : 5 : 13$, then what will be the value of $\frac{(3u+2v+4w)}{(2w-u-4v)}$?

A 25

B 13

C 12

D 17

Answer: B

Explanation:

Given = $u : v : w = 1 : 5 : 13$

Let $u = 1, v = 5$ and $w = 13$

To find : $\frac{(3u+2v+4w)}{(2w-u-4v)}$

$$= \frac{3(1)+2(5)+4(13)}{2(13)-(1)-4(5)}$$

$$= \frac{3+10+52}{26-1-20}$$

$$= \frac{65}{5} = 13$$

=> Ans - (B)

SSC GD Constable Previous Papers

Question 64

What is the average of first 9 even numbers?

- A 9
- B 12
- C 11
- D 10

Answer: D

Explanation:

Sum of first n even numbers = $n(n + 1)$

=> Average of first n even numbers = $\frac{n(n+1)}{n} = (n + 1)$

∴ Average of first 9 even numbers = $(9 + 1) = 10$

=> Ans - (D)

Question 65

There would be 20% loss if a toy is sold for Rs 11.20. At what price (in Rs) the toy should be sold to earn a profit of 10%?

- A 15.2
- B 14.8
- C 14.4
- D 15.4

Answer: D

Explanation:

Selling price = Rs. 11.20

Loss % = 20%

=> Cost price = $\frac{11.20}{(100-20)} \times 100$

= $\frac{112}{8} = Rs. 14$

Now, to earn 10% profit, => Selling price = $14 + \left(\frac{10}{100} \times 14\right)$

= $14 + 1.4 = Rs. 15.4$

=> Ans - (D)

Question 66

If the cost price of an article is 80% of the selling price, then what is the profit percent?

- A 20
- B 25
- C 30
- D 28

Answer: B

Explanation:

Let selling price = Rs. 10

$$\Rightarrow \text{Cost price} = \frac{80}{100} \times 10 = \text{Rs. } 8$$

$$\therefore \text{Profit \%} = \frac{(10-8)}{8} \times 100$$

$$= \frac{200}{8} = 25\%$$

\Rightarrow Ans - (B)

SSC MTS Previous Papers (DOWNLOAD PDF)

Question 67

What is the value of (42% of 7200) - (12% of 4800)?

A 2138

B 2448

C 3348

D 2918

Answer: B

Explanation:

Expression : (42% of 7200) - (12% of 4800)

$$= \left(\frac{42}{100} \times 7200\right) - \left(\frac{12}{100} \times 4800\right)$$

$$= (42 \times 72) - (12 \times 48)$$

$$= (12 \times 12)(21 - 4)$$

$$= 144 \times 17 = 2448$$

\Rightarrow Ans - (B)

Question 68

What is the value of 40% of $\frac{3}{4}$ of 1200 ?

A 360

B 480

C 120

D 240

Answer: A

Explanation:

Expression : 40% of $\frac{3}{4}$ of 1200

$$= \frac{40}{100} \times \frac{3}{4} \times 1200$$

$$= 10 \times 3 \times 12 = 360$$

\Rightarrow Ans - (A)

Question 69

A train crosses a platform in 50 seconds travelling with a speed of 72 km/hr. If the length of the train be 250 metres, then what will be the length (in metres) of the platform?

- A 600
- B 480
- C 750
- D 950

Answer: C

Explanation:

Speed of train = 72 km/hr = $(72 \times \frac{5}{18})$ m/s = 20 m/s

Let length of platform = x m and length of train = 250 m

Using, time = distance/speed

$$\Rightarrow \frac{250+x}{20} = 50$$

$$\Rightarrow 250 + x = 50 \times 20$$

$$\Rightarrow x = 1000 - 250 = 750 \text{ m}$$

\Rightarrow Ans - (C)

SSC CGL Previous Papers (DOWNLOAD PDF)

Question 70

Speed of a boat is 8 km/hr in still water and the speed of the stream is 2 km/hr. If the boat takes 8 hours to go to a place and come back, then what is the distance (in km) of the place?

- A 24
- B 30
- C 45
- D 42

Answer: B

Explanation:

Speed of boat in still water = 8 km/hr and speed of stream = 2 km/hr

Let distance covered = d km

According to ques,

$$\Rightarrow \frac{d}{(8-2)} + \frac{d}{(8+2)} = 8$$

$$\Rightarrow \frac{d}{6} + \frac{d}{10} = 8$$

$$\Rightarrow \frac{10d+6d}{60} = 8$$

$$\Rightarrow \frac{4d}{15} = 8$$

$$\Rightarrow d = \frac{15 \times 8}{4} = 30 \text{ km}$$

\Rightarrow Ans - (B)

Question 71

Rs 5000 are invested in a scheme of compound interest. If the rate of interest is 12% per annum, then what is the interest earned (in Rs) in 2 years?

- A 1450
- B 1272
- C 1520
- D 3450

Answer: B

Explanation:

Principal sum = Rs. 5000

Rate of interest = 12% and time period = 2 years

$$\Rightarrow \text{Compound interest} = P \left[\left(1 + \frac{R}{100} \right)^T - 1 \right]$$

$$= 5000 \left[\left(1 + \frac{12}{100} \right)^2 - 1 \right]$$

$$= 5000 \left[\left(\frac{28}{25} \right)^2 - 1 \right]$$

$$= 5000 \left(\frac{784 - 625}{625} \right)$$

$$= 8 \times 159 = \text{Rs. } 1272$$

\Rightarrow Ans - (B)

Instructions

The table given below shows number of students from stream A and B for a college in the years 2011 to 2015.

Year	A	B
2011	520	740
2012	610	790
2013	490	670
2014	540	720
2015	900	990

Question 72

In the year 2014, the number of students of stream A is what percent of the number of students in stream B?

- A 75
- B 65
- C 62
- D 56

Answer: A

Explanation:

Number of students of stream A in 2014 = 540

Number of students of stream B in 2014 = 720

$$\Rightarrow \text{Required \%} = \frac{540}{720} \times 100$$

$$= \frac{3}{4} \times 100 = 75\%$$

\Rightarrow Ans - (A)

SSC CGL Free Mock Test (Latest Pattern)

Question 73

In the year 2015, the number of students in stream B is how much percent more than the number of students in stream A?

- A 9
- B 10
- C 12
- D 18

Answer: B

Explanation:

Number of students of stream A in 2015 = 900

Number of students of stream B in 2015 = 990

$$\Rightarrow \text{Required \%} = \frac{(990-900)}{900} \times 100$$

$$= \frac{90}{900} = 10\%$$

\Rightarrow Ans - (B)

Question 74

What is the average number of students in stream A from 2011 to 2015?

- A 612
- B 670
- C 586
- D 630

Answer: A

Explanation:

Total number of students in stream A from 2011 to 2015

$$= 520 + 610 + 490 + 540 + 900 = 3060$$

$$\Rightarrow \text{Required average} = \frac{3060}{5} = 612$$

\Rightarrow Ans - (A)

Question 75

In how many years, the number of students in stream B is more than the number of students in stream A?

- A 5
- B 3
- C 2
- D 1

Answer: A

Explanation:

Year	A	B
2011	520	740
2012	610	790
2013	490	670
2014	540	720
2015	900	990

In all the five years, the number of students in stream B is more than the number of students in stream A.

=> Ans - (A)

SSC CHSL Free Mock Test (Latest Pattern)

General Awareness

Instructions

For the following questions answer them individually

Question 76

_____ unemployment happens when people are not able to find jobs during some months of the year.

- A Seasonal
- B Disguised
- C Educated
- D Uneducated

Answer: A

SSC Stenographer Previous Papers (Latest Pattern)

Question 77

Fishing comes under which sector of economic activity?

- A Quaternary sector
- B Secondary sector
- C Tertiary sector
- D Primary sector

Answer: D

Question 78

The Indian constitution recognizes every person as _____.

- A poor
- B rich
- C unequal
- D equal

Answer: D

Question 79

In which year Civil Rights movement began?

- A 1950
- B 1945
- C 1955
- D 1960

Answer: C

SSC GD Constable Free Mock Test (Latest Pattern)

Question 80

The city of Lothal stood beside a tributary of which river?

- A Narmada
- B Ganga
- C Yamuna
- D Sabarmati

Answer: D

Question 81

Which viceroy partitioned Bengal?

- A Lord Warren Hasting
- B Lord Mountbatten
- C Lord Curzon
- D Lord Bentick

Answer: C

Question 82

Which constellation is called Saptarishi?

- A Ursa major
- B Big bear
- C Small bear
- D Orion

Answer: A

SSC MTS Free Mock Test (Latest Pattern)

Question 83

What causes change in the seasons on earth?

- A Rotation
- B Revolution
- C Rotation and Revolution both
- D None of these

Answer: B

Question 84

Plants with weak stems that cannot stand upright and spread on the ground are called as ____.

- A Creepers
- B Trees
- C Shrubs
- D Herbs

Answer: A

Question 85

Part of a leaf by which it is attached to the stem is called as ____.

- A Joint
- B Point
- C Petiole
- D Lamina

Answer: C

SSC CPO Free Mock Test (Latest Pattern)

Question 86

If the CO_2 concentration in the blood increases, the breathing shall ____.

- A Increase
- B Decrease
- C Affected
- D Stop

Answer: A

Question 87

It is difficult to walk on ice because of ____.

- A absence of friction
- B less inertia
- C more inertia
- D more mass

Answer: A

Question 88

Work done upon a body ____.

- A only a vector quantity
- B only a scalar quantity
- C both vector and scalar
- D neither vector nor scalar

Answer: B

SSC MTS Free Preparation App

Question 89

Which was the first web browser?

- A Safari
- B Netscape Navigator
- C Internet Explorer
- D Chrome

Answer: B

Question 90

Which of the following acids is present in sour milk?

- A Formic acid
- B Lactic acid
- C Citric acid
- D Tartaric acid

Answer: B

Question 91

Acids turn blue litmus into which colour?

- A Green
- B Red

- C Pink
- D Colourless

Answer: B

285 SSC Mocks - Just RS. 249

Question 92

Which of the following represents correct food chain?

- A Grass → Frog → Insect → Eagle → Snake
- B Grass → Insects → Frog → Snake → Eagle
- C Grass → Snake → Eagle → Insects → Frog
- D Grass → Eagle → Snake → Insects → Frog

Answer: B

Question 93

Which among the following is not an aim of 'Make in India' campaign?

- A Facilitate investment
- B Enhance skill development
- C Foster innovation
- D Financial inclusion

Answer: D

Question 94

Who among the following invented battery?

- A Rudolf Diesel
- B Alfred Noble
- C Alessandro Volta
- D John Napier

Answer: C

SSC Exam Free Videos (Youtube)

Question 95

Which country won the 2016 Kabaddi World Cup?

- A India
- B Iran
- C South Korea

D Bangladesh

Answer: A

Question 96

Paintings of Ajanta depict stories of ____.

A Jatakas

B Tenali Rama

C Akbar Birble

D Panchatantra

Answer: A

Question 97

Who is the winner of Man Booker International Prize 2017?

A David Grossman

B Arundhati Roy

C Steven Spielberg

D George Lucas

Answer: A

SSC Study Material

Question 98

Who is the author of the book named "The God of Small things"?

A Nasiruddin Shah

B R.D. Pradhan

C Vijay Darda

D Arundhati Roy

Answer: D

Question 99

Which country is India's first 2+2 dialogue partner among any country of world?

A Pakistan

B Sri-Lanka

C Bangladesh

D Japan

Answer: D

Question 100

Indus water treaty 1960 is an agreement between India and _____.

- A Bangladesh
- B Pakistan
- C China
- D Nepal

Answer: B

SSC Daily Practice Set

SSC CHSL Previous Papers (DOWNLOAD PDF)

SSC Stenographer Previous Papers (Download PDF)

SSC GD Constable Previous Papers

SSC MTS Previous Papers (DOWNLOAD PDF)

SSC CGL Previous Papers (DOWNLOAD PDF)

SSC CGL Free Mock Test (Latest Pattern)

SSC CHSL Free Mock Test (Latest Pattern)

SSC Stenographer Previous Papers (Latest Pattern)

SSC GD Constable Free Mock Test (Latest Pattern)

SSC MTS Free Mock Test (Latest Pattern)

SSC CPO Free Mock Test (Latest Pattern)

SSC MTS Free Preparation App

285 SSC Mocks - Just RS. 249

SSC Exam Free Videos (Youtube)



SSC Study Material

SSC Daily Practice Set

SSC GK Free Tests

SSC GK Questions

Current Affairs Question and Answers (Download PDF)

Daily and Monthly Current Affairs (Download PDF)