



SSC GD 5th March 2019 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

Four words have been given out of which three are alike in some manner, while one is different. Choose the odd one.

- A Cargo
- B Trolley
- C Tempo
- D Truck

Answer: A

Explanation:

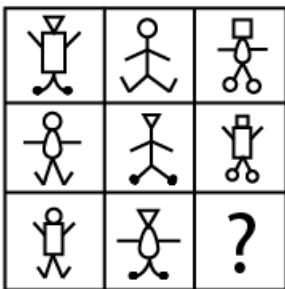
Cargo means goods but other 3 are transport medium, so Cargo is odd one out.

Option A is correct.

SSC GD Free App

Question 2

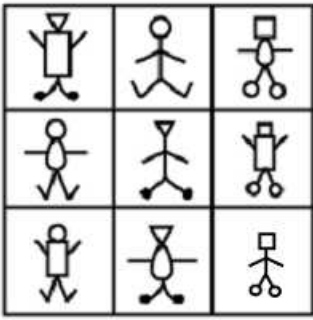
Which of the following answer figure will complete the given figure?



- A
- B
- C
- D

Answer: C

Explanation:



Option C is correct.

Question 3

If 'q' stands for '+', 'y' stands for '÷', 'z' stands for '÷' and 'p' stands for 'X', then the value of:

- A 41
- B 31
- C 35
- D 45

Answer: A

Question 4

Dates of birth of some persons are given below. Find out the date of birth of the oldest person:

- A. 12.08.1989
- B. 13.09.1991
- C. 19.06.1991
- D. 20.02.1989
- E. 22.03.1991
- F. 20.01.1991
- G. 20.12.1989

- A B
- B C
- C G
- D D

Answer: D

Explanation:

Looking at the DOB in the format DD-MM-YYYY we see that D is the oldest.

Option D is correct.

SSC GD Important Questions and Answers PDF

Question 5

The statements below are followed by four conclusions labeled I, II, III and IV. Assuming that the information in the statements is true, even if it appears to be at variance with generally established facts, decide which conclusion(s) logically and definitely follow(s) from the information given in the statements.

Statements:

Some Linear Equations are Quadratic Equations.

All Quadratic Equations are Algebraic Equations.

Conclusions:

I. All Linear Equations are Algebraic Equations.

II. Some Algebraic Equations are Linear Equations.

III. Some Algebraic Equations are Quadratic Equations.

IV. All Quadratic Equations are Linear Equations.

A Only I and II follows.

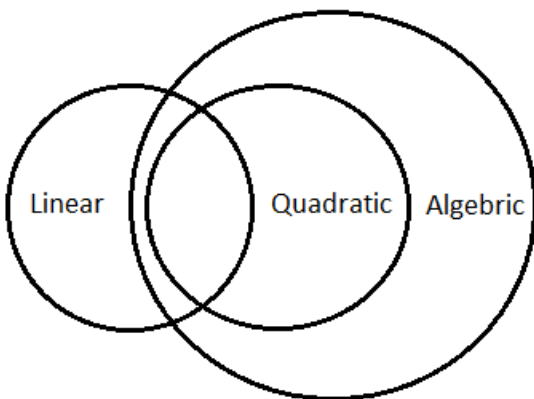
B Only II follows.

C Only I follows.

D Only II and III follow.

Answer: D

Explanation:



I. All Linear Equations are Algebraic Equations. - False

II. Some Algebraic Equations are Linear Equations. - True

III. Some Algebraic Equations are Quadratic Equations. - True

IV. All Quadratic Equations are Linear Equations. - False

Option D is correct.

Question 6

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

Bees : Hum :: Snakes : ?

A Hiss

B Hoot

C Roar

D Talk

Answer: A

Explanation:

The pair of words denotes the sounds made,

Bees hums and snakes hiss.

Bees : Hum :: Snakes : Hiss

Option A is correct.

Question 7

If UPSIDE is coded as 74, then SHARKS will be coded as:

- A 68
- B 72
- C 77
- D 76

Answer: D

Explanation:

Adding the corresponding values in alphabetical series

$$U+P+S+I+D+E = 21+16+19+9+4+5 = 74$$

$$\text{So, } S+H+A+R+K+S = 76$$

Option D is correct.

SSC GD Syllabus (Download PDF)

Question 8

Select the correct option that will fill in the blank and complete the series.

Mhz, Ngy, Ofx, Pew,

- A Qrm
- B Rrn
- C Qdv
- D Qqn

Answer: C

Explanation:

1st Alphabets are +1 (M, N, O, P, Q)

2nd alphabets are -1 (h, g, f, e, d)

3rd alphabets are -1 (z, y, x, w, v)

Option C is correct.

Question 9

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

Lion : Roar :: Elephant : ?

- A Bark
- B Bray
- C Trumpet
- D Grunt

Answer: C

Explanation:

Pair of words denotes the sound of animals.

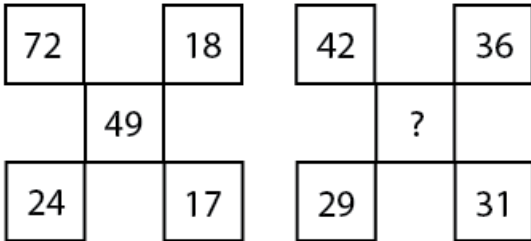
Lions roar and an elephant trumpets

Lion : Roar :: Elephant : trumpets

Option C is correct.

Question 10

Find the missing number from the below options.



A 20

B 18

C 36

D 24

Answer: B

Explanation:

$$(72+18)-(24+17)=49$$

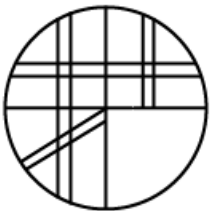
$$(42+36)-(29+31)=18$$

Option B is correct

20 SSC GD Mocks 117 (Latest Pattern)

Question 11

Which of the following answer figure will complete the given figure?



A



B





Answer: D

Explanation:



Option D is correct.

Logic needed

Question 12

Choose the odd one out from the given alternatives.

A 78 : 4

B 72 : 6

C 39 : 3

D 56 : 4

Answer: A

Explanation:

First number is completely divisible by the second number.

Option A violates this. i.e $78 \div 4 = 19.5$

Option A is correct.

Question 13

Find the related numbers-pair from the given alternatives.

12 : 156 :: ?

A 10 : 101

B 15 : 340

C 10 : 110

D 7 : 50

Answer: C

Explanation:

$12 \times (12 + 1) = 156; 10 \times (10 + 1) = 110$

12 : 156 :: 10 : 110

Option C is correct.

Question 14

In a queue, Lily is eighteenth from the front while Mini is sixteenth from the back. If Nisha is twenty-fifth from the front and is exactly in the middle of Lily and Mini, then how many persons are there in the queue?

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

Answer: A

Explanation:

Lily is 18th and Nisha is 25th from front. Mini is 16th from back

Number of persons between Lily and Nisha = 6.

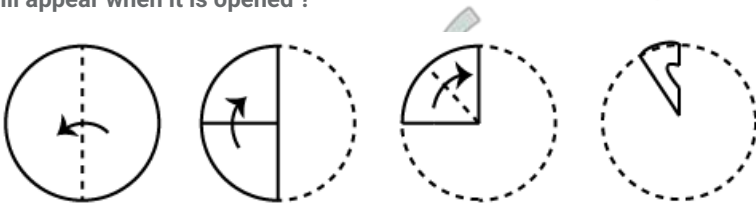
Since Nisha is exactly in middle of Mini and Lily, so number of persons between Nisha and Lily = 6.

So, Number of persons in the queue = $(17 + 1 + 6 + 1 + 6 + 1 + 15) = 47$.

Option A is answer.

Question 15

A piece of paper is folded and cut as shown below in the question figures from the given answer figures, indicate the pattern that it will appear when it is opened ?



- A
- B
- C
- D

Answer: C

Explanation:

If the design is folded and cut in the following manner.



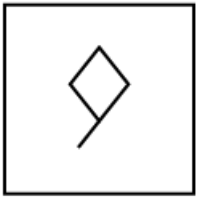
If we unfold the given pattern we will get the following design,



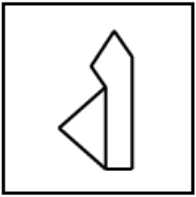
Option C is correct.

Question 16

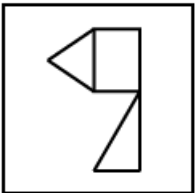
Choose the option figure in which the problem figure is hidden/embedded.



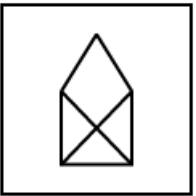
A



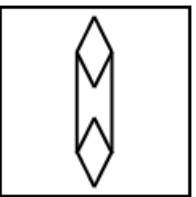
B



C



D



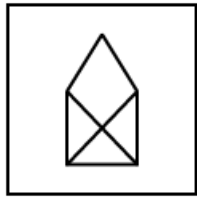
Answer: C

Explanation:

If we look carefully,



is embedded in



Option C is correct.

SSC MTS Previous Question papers (download pdf)

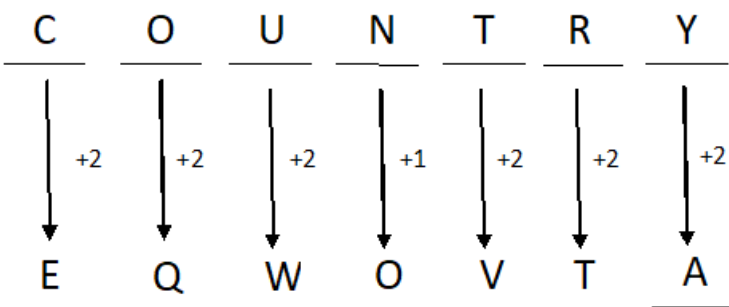
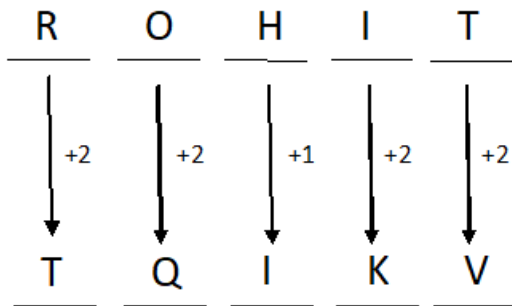
Question 17

In a certain code ROHIT is written as "TQIKV", how will COUNTRY be coded?

- A EQWPUTA
- B EQWVPTE
- C EQWVPAT
- D EQWOVTA

Answer: D

Explanation:



The middle alphabet increases by +1 others by +2

Option D is correct

Question 18

Four letter clusters have been given out of which three are alike in some manner, while one is different. Choose the odd one

A CFJ

B GJM

C TWZ

D DGJ

Answer: A

Explanation:

A. $C \rightarrow (+3)F \rightarrow (+4)J$

B. $G \rightarrow (+3)J \rightarrow (+3)M$

C. $T \rightarrow (+3)W \rightarrow (+3)Z$

D. $D \rightarrow (+3)G \rightarrow (+3)J$

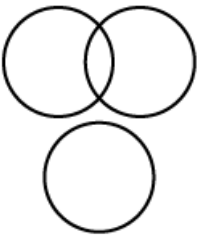
Option A is correct.

Question 19

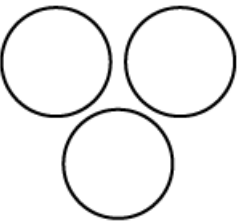
Select the Venn diagram that best illustrates the relationship between the three given classes.

Girls, Healthy, Trains

A



B



C



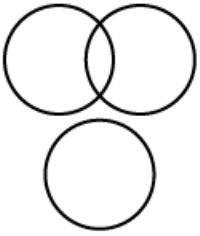
D



Answer: A

Explanation:

Girls can be healthy but Girls and Healthy doesn't have anything common with Trains.



Option A is correct.

Free SSC Study Material (18,000 Solved Questions)

Question 20

Select the correct option that will fill in the blank and complete the series.

1331, 121, 2197, 169, 3375,

A 216

B 215

C 225

D 205

Answer: C

Explanation:

$$1331 = 11^3$$

$$121 = 11^2$$

$$2197 = 13^3$$

$$169 = 13^2$$

$$3375 = 15^3$$

$$225 = 15^2$$

Option C is correct

Question 21

A, B, C, D, E, F, G and H are sitting around circle facing at the centre. E, is second to the left of F and third to the right of A. B is third to the right of G who is not an immediate neighbour of E or F. C is second to the right of B. D is to the immediate left of A and third to the left of H.

Who is the fifth to the right of C?

A H

B G

C B

D E

Answer: D

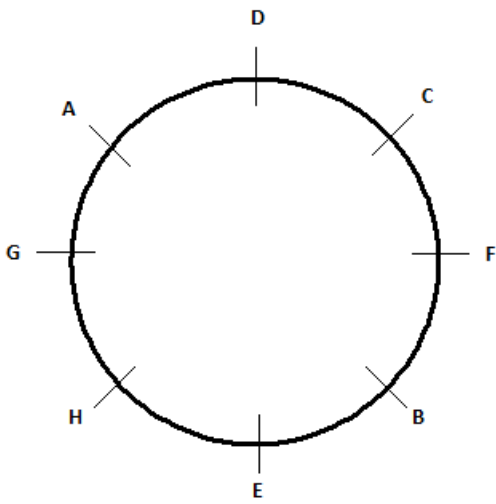
Explanation:

A, B, C, D, E, F, G and H are sitting around circle facing at the centre.

1. E, is second to the left of F and third to the right of A.

2. D is to the immediate left of A and third to the left of H.

3. B is third to the right of G who is not an immediate neighbour of E or F. C is second to the right of B.



E sits fifth to the right of C

Option D is correct.

Question 22

Select the correct option that will fill in the blank and complete the series.
37, 26, 39, 24, 41,

- A 22
- B 26
- C 23
- D 25

Answer: A

Explanation:

$37 - 26 = 11$

$26 - 39 = -13$

$39 - 24 = 15$

$24 - 41 = -17$

$41 - 22 = 19$

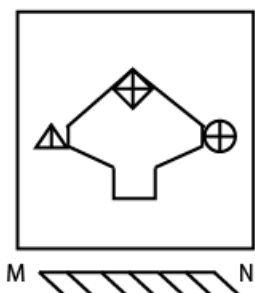
37, 26, 39, 24, 41, 22

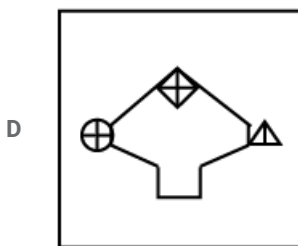
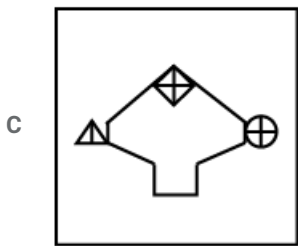
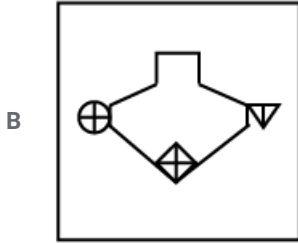
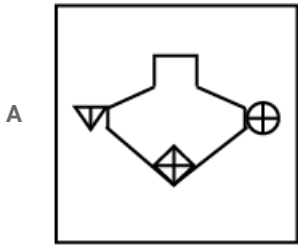
Option A is correct.

SSC CHSL Previous Papers (DOWNLOAD PDF)

Question 23

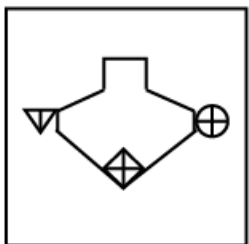
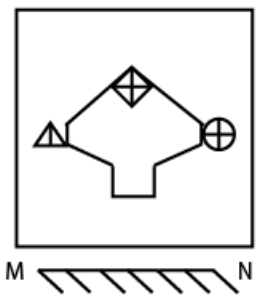
If a mirror is placed on MN line, then which of the answer figures will be the right image of the given figure?





Answer: A

Explanation:



As the mirror is placed below the figure at MN, which mean we will get an inverted image and Option A depicts the image.

Option A is correct.

Question 24

The statements below are followed by two conclusions labeled I and II. Assuming that the information in the statements is true, even if it appears to be at variance with generally established facts, decide which conclusion(s) logically and definitely follow(s) from the information given in the statements.

Statements:

All rivers are mountains.

All forests are mountains.

Conclusion:

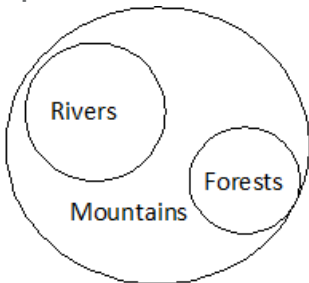
I. Some forests are river.

II. No forest is a river.

- A Neither conclusion I nor II follows
- B Only conclusion II follows
- C Only conclusion I follows
- D Either conclusion I or II follows

Answer: D

Explanation:



I. Some forests are river.

II. No forest is a river.

Either statement I follows or II follows

Option D is correct.

Question 25

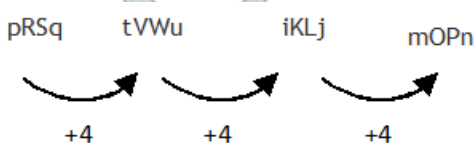
Select the option that is related to the third term in the same way as the second term is related to the first term.

pRSq : tVWu :: iKLj : ?

- A MrsQ
- B MopN
- C mRSq
- D mOPn

Answer: D

Explanation:



Option D is correct.

General knowledge

Instructions

For the following questions answer them individually

Question 26

Minimum Support Price for 2018-19 for Maize is set at

- A ₹2,430 per quintal
- B ₹1,950 per quintal
- C ₹1,700 per quintal
- D ₹5,150 per quintal

Answer: C

SSC GD Constable Previous Papers

Question 27

The Charter Act of 1833 made the Governor-General of as the Governor-General of India and vested in him all civil and military powers.

- A Oudh State
- B Bengal
- C Berar Province
- D United Provinces

Answer: B

Question 28

The Maithon Dam is in which state?

- A Chhattisgarh
- B Jharkhand
- C Odisha
- D Madhya Pradesh

Answer: B

Question 29

Which amendment to the constitution introduced the Goods and Services Tax (GST)?

- A 103rd Constitution Amendment Act, 2018
- B 73rd Constitution Amendment Act of 2003
- C 101st Constitution Amendment Act, 2016
- D 92nd Constitution Amendment Act of 2003

Answer: C

SSC MTS Previous Papers (DOWNLOAD PDF)

Question 30

Which Indian was crowned Miss World Continental Queen of Beauty—Asia & Oceania in 1999?

- A Dia Mirza
- B Yukta Mookhey
- C Reita Faria
- D Priyanka Chopra

Answer: B

Question 31

Which team won in the 2018 Pro Wrestling League finals?

- A Punjab Royals
- B Delhi Sultans
- C Haryana Hammers
- D Veer Marathas

Answer: A

Question 32

Name the highest peak of the Satpura range.

- A Dbupgarh
- B Kalsubai
- C Doddabetta
- D Anamudi

Answer: A

SSC GD Constable Previous Papers (DOWNLOAD PDF)

Question 33

Moment of inertia of a thin rod of mass 'M' and length 'L' about the axis perpendicular to the rod and passing through its centre is

- A $\frac{ML^2}{4}$
- B $\frac{ML^2}{6}$
- C $\frac{ML^2}{12}$
- D $\frac{ML^2}{2}$

Answer: C

Question 34

Name the class of folk songs of Goa, usually sung to mourn the death of the loved ones.

- A Sumangali
- B Banvarh
- C Gha To Kito
- D Khubakeshei

Answer: B

Question 35

The formula of Cyanogen is

- A CH_3OCN
- B C_2N_2
- C CH_2CHCN
- D CH_3CN

Answer: B

SSC CGL Previous Papers (DOWNLOAD PDF)

Question 36

The coccyx is part of the

- A spine
- B shoulder girdle
- C arm
- D leg

Answer: A

Question 37

Parliamentary form of government as laid down in the Indian Constitution is influenced by the constitution of

- A United Kingdom
- B Australia
- C United States
- D Ireland

Answer: A

Question 38

Name the Sanskrit scholar who was awarded the Bharat Ratna?

- A Madan Mohan Malaviya
- B Pandurang Vaman Kane
- C Purushottam Das Tandon
- D Bidhan Chandra Roy

Answer: B

SSC CGL Free Mock Test (Latest Pattern)

Question 39

..... alloy consists of copper and tin.

- A Bell Metal
- B Solder
- C Rose Metal
- D German silver

Answer: A

Question 40

Which of the following dances is a dance form from Chhattisgarh?

- A Raut Nacha
- B Chiraw
- C Ottam Thullal
- D Macha

Answer: A

Question 41

Which of the following is an autobiography by former Minister in charge of External Affairs, Kunwar Natwar Singh?

- A Courage and Conviction
- B Where Have I Been?
- C Ace Against Odds
- D One Life is not Enough

Answer: D

SSC CHSL Free Mock Test (Latest Pattern)

Question 42

The Kila Raipur Rural Olympics held annually in between January and February near

- A Gwalior
- B Ludhiana
- C Vadodara
- D Aizwal

Answer: B

Question 43

It was stated in the Union Budget 2018, that the Ujjwala Yojana, the free LPG connection scheme would be expanded to crore Women.

- A eight
- B six
- C two
- D four

Answer: A

Question 44

Chandragupta I was succeeded by his son

- A Samudragupta
- B Bhanugupta
- C Skandagupta
- D Purugupta

Answer: A

SSC Stenographer Previous Papers (Latest Pattern)

Question 45

The origin of the sun was approximately how many years before the present age?

- A 4.6 billion years
- B 10.6 billion years
- C 1.5 billion years
- D 2.4 billion years

Answer: A

Question 46

India defeated which team to win the Nidahas Trophy 2018 cricket Tri-Series Final played in March 2018?

- A South Africa
- B West Indies
- C Bangladesh
- D England

Answer: C

Question 47

Which British retired Civil Service Officer took the initiative to convene the first meeting of the Indian National Union?

- A John Morley
- B Edwin Montagu
- C Allan Octavian Hume
- D Gilbert Elliot

Answer: C

SSC GD Constable Free Mock Test (Latest Pattern)

Question 48

The Economic Survey report 2017-18 stated that the Services sector growth for FY 18 was likely to be at

- A 8.30%
- B 6.50%
- C 9.60%
- D 7.10%

Answer: A

Question 49

Farad is the unit of

- A electric conductance
- B capacitance
- C magnetic flux
- D magnetic flux density

Answer: B

Question 50

In Battle of Khatoli (1517) Rana Sanga of Mewar defeated Sultan of Delhi, Lodhi and imprisoned him and then released him after collecting ransom.

- A Bahlul Khan

B Qutb-ud-din

C Ibrahim

D Sikandar

Answer: C

SSC MTS Free Mock Test (Latest Pattern)

Quant

Instructions

For the following questions answer them individually

Question 51

The mode of the data

26, 32, 26, 28, 26, 24, 31, 24 is:

A 28

B 24

C 31

D 26

Answer: D

Explanation:

MODE : The **mode** of a set of data values is the value that appears most often.

The mode of the data 26, 32, 26, 28, 26, 24, 31, 24 is 26 because 26 has appeared the most number of times.

Option D is correct.

SSC CPO Free Mock Test (Latest Pattern)

Question 52

What should come in place of the question mark (?) in the following question?

$$[((16 \div 4) \times 4) \div 4] = ?$$

A 2

B 5

C 4

D 3

Answer: C

Explanation:

Using BODMAS rule,

$$[((16 \div 4) \times 4) \div 4]$$

$$[(4 \times 4) \div 4] = 4$$

Option C is correct.

Question 53

Ajay can row his boat in still water, at a speed of 6 kmph. If the speed of the stream is 4 kmph, how long will he take to a distance of 30 km downstream?

- A 2 hours
- B 5 hours
- C 4 hours
- D 3 hours

Answer: D

Explanation:

Ajay can row his boat in still water at a speed of 6 kmph. The speed of the stream is 4 kmph.

Speed of downstream = $6 + 4 = 10 \text{ kmph}$

Time taken to a distance of 30 km downstream = $\frac{30}{10} = 3 \text{ hr}$ [Time = $\frac{\text{Distance}}{\text{Speed}}$]

Option D is correct.

Question 54

An inlet pipe takes 8 hours to fill a tank. An outlet pipe takes 12 hours to empty it. If both pipes are opened simultaneously, in how many hours will the tank be filled?

- A 36
- B 8
- C 24
- D 12

Answer: C

Explanation:

An inlet pipe takes 8 hours to fill a tank. An outlet pipe takes 12 hours to empty it.

Time taken to fill in 1 hour = $\frac{1}{8}$

Time taken to empty in 1 hour = $-\frac{1}{12}$

If both pipes are opened simultaneously tank be filled in 1 hour

$$\frac{1}{8} - \frac{1}{12} = \frac{1}{24}$$

Total time taken is 24 hours.

Option C is correct.

SSC GD Free Videos (Youtube)

Question 55

If the profit made by a merchant on selling 45 m of cloth is equal to the selling price of 5m of cloth, then his profit percentage is:

- A 9.09%
- B 12.5%
- C 11.11%

D 10%

Answer: B

Explanation:

Let SP and CP be selling price and cost price of cloth (per metre) respectively.

If the profit made by a merchant on selling 45 m of cloth is equal to the selling price of 5m of cloth,

$$45(SP - CP) = 5SP$$

$$45SP - 45CP = 5SP$$

$$40SP = 45CP$$

$$\frac{SP}{CP} = \frac{45}{40} = \frac{9}{8}$$

$$\text{Profit \%} = \frac{SP - CP}{CP} \times 100 = \frac{9 - 8}{8} \times 100 = 12.5$$

Option B is correct.

Question 56

Two parallelogram stand on equal bases and between the same parallel. The ratio of their areas is:

A 1 : 1

B 2 : 1

C 1 : 3

D 1 : 2

Answer: A

Explanation:

Two parallelogram stand on equal bases and between the same parallel.

This means that both of them will have equal lengths and breadths. Therefore, both will have same area. So ratio of the areas will be 1 : 1

Option A is correct.

Question 57

Rajaram purchased a certain amount of wheat. If he sold one-fourth of the wheat at a profit of 12%, then the profit percent he needs to make on the remaining wheat to make an overall profit of 15% is:

A 18%

B 16%

C 15%

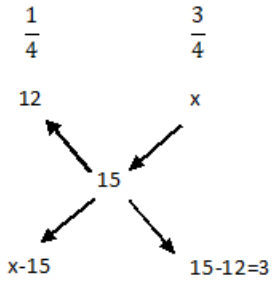
D 20%

Answer: B

Explanation:

Rajaram sold one-fourth of the wheat at a profit of 12%. Let him sell the remaining three-fourth part of wheat at a profit of x%.

Using allegation,



$$\frac{x-15}{3} = \frac{1}{3}$$

$$3x - 45 = 3$$

$$x = 16$$

Option B is correct.

SSC GD Free App

Question 58

Which of the following is the greatest among all?

- A 8% discount on marked price ₹400
- B 12% discount on marked price ₹240
- C 7% discount on marked price ₹500
- D 10% discount on marked price ₹320

Answer: C

Explanation:

Discount = $\text{Discount}\% \times \text{Marked Price}$

$$8\% \text{ discount on marked price ₹400} = 400 \times \frac{8}{100} = ₹ 32$$

$$12\% \text{ discount on marked price ₹240} = 240 \times \frac{12}{100} = ₹ 28.8$$

$$7\% \text{ discount on marked price ₹500} = 500 \times \frac{7}{100} = ₹ 35$$

$$10\% \text{ discount on marked price ₹320} = 320 \times \frac{10}{100} = ₹ 32$$

Option C is correct.

Question 59

Sanjay scored 75 out of 150 marks in his mid-term exam and 105 out of 150 in his annual exam. The percentage increase in his marks is:

- A 30%
- B 45%
- C 50%
- D 40%

Answer: D

Explanation:

$$\text{Sanjay \%age in mid-term} = \frac{75}{150} \times 100 = 50$$

$$\text{Sanjay \%age in final-term} = \frac{105}{150} \times 100 = 70$$

$$\text{\%age increase} = \frac{70-50}{50} \times 100 = 40$$

Option D is correct.

Question 60

The average marks of 42 students in an examination, was 64. Later it was found that the marks of three students were misread as 72, 58 and 44 instead of the actual marks 64, 42 and 26 respectively. What is the correct average marks?

- A 61
- B 62
- C 63
- D 60

Answer: C

Explanation:

The average marks of 42 students in an examination = 64

$$\text{Total Marks} = 42 \times 64 = 2688$$

Later it was found that the marks of three students were misread as 72, 58 and 44 instead of the actual marks 64, 42 and 26 respectively.

$$\text{Therefore, the actual average is} = \frac{2688 - (72 + 58 + 44) + (64 + 42 + 26)}{42} = 63$$

Option C is correct.

SSC GD Important Questions and Answers PDF

Question 61

If the area of the base of a cone is increased then it becomes 1.96 times of original area. Its volume is increased by:

- A 141%
- B 40%
- C 96%
- D 100%

Answer: C

Explanation:

Let R be the Radius.

$$\text{Area of the base of cone} = \pi \times R^2$$

According to question,

Area of the base of a cone is increased then it becomes 1.96 times of original area,

$$\frac{\text{New Area}}{\text{Old Area}} = \frac{196}{100}$$

$$\frac{R_{\text{New}}}{R_{\text{Old}}} = \frac{14}{10}$$

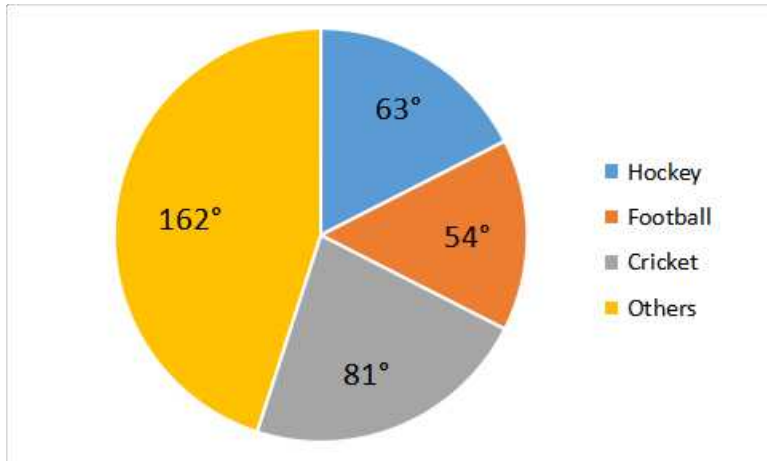
Volume of a cone = $\pi \times R^2 \times H$ (Height of cone=H)

$$\frac{\text{New Volume}}{\text{Old Volume}} = \frac{\pi \times R_{\text{New}}^2 \times H}{\pi \times R_{\text{Old}}^2 \times H} = \frac{196}{100} = 96\%$$

Option C is correct.

Question 62

The pie chart given here shows the spendings of a country on various sports during a particular year. Study the graph carefully and answer the questions given below it.



If the total amount spent on sports during the year be ₹18000, the amount spent on Cricket exceeds that on football by (in ₹):

- A 2800
- B 1350
- C 3000
- D 2550

Answer: B

Explanation:

Total amount spent on sports during the year be ₹18000

Therefore, $360^\circ = 18000$

$= 1^\circ = 50$

Cricket exceeds that on football by $= 81^\circ - 54^\circ = 27^\circ$

Therefore, the amount spent exceeds by $= 50 \times 27 = ₹1350$

Option B is correct.

Question 63

Five years ago, the ratio of the ages of a father and his son was 5 : 3. Which of the following cannot be the ratio of their ages 10 years from now?

- A 3:2
- B 8:7
- C 6:5
- D 7:3

Answer: D

Explanation:

Five years ago, the ratio of the ages of a father and his son was 5 : 3.

As we know that when time progresses the ratio between the ages always decreases.

Ratio of age 5 years ago > Ratio of Present age > Ratio of age 5 years later

Option D violates this. $\left[\frac{7}{3} > \frac{5}{3}\right]$

Option D is correct.

SSC GD Syllabus (Download PDF)

Question 64

In what time does money becomes double at simple interest rate of 12% per annum?

A $6\frac{1}{3}$ Years

B $6\frac{2}{3}$ Years

C $8\frac{1}{3}$ Years

D $8\frac{2}{3}$ Years

Answer: C

Explanation:

Rate = 12% per annum

Let P be the sum and becomes double at simple interest rate of 12% per annum.

Simple Interest = $2P - P = P$

Now, $P = \frac{PRT}{100}$

$T = \frac{100}{12} = 8\frac{1}{3}$ years

Option C is correct.

Question 65

If 30 men can do a job in 30 days, find what part of the job can be completed by 1 man in 1 day.

A $\frac{1}{30}$

B $\frac{1}{900}$

C $\frac{1}{90}$

D $\frac{1}{60}$

Answer: B

Explanation:

Total work done by 30 men in 30 days = $30 \times 30 = 900$

Therefore, 1 man in 1 day will do = $\frac{1}{900}$

Option B is correct.

Question 66

The ratio of length of two trains is 6 : 5 and the ratio of their speed is 3 : 2. The ratio of time taken by them to cross a pole is:

A 3 : 5

B 4 : 5

C 5 : 6

D 5 : 8

Answer: B

Explanation:

The ratio of length of two trains is

$$\frac{L_1}{L_2} = \frac{6}{5}$$

and the ratio of their speed is

$$\frac{S_1}{S_2} = \frac{3}{2}$$

We know that,

$$Time = \frac{Distance}{Speed}$$

The ratio of time taken by them to cross a pole is

$$\frac{T_1}{T_2} = \frac{5}{3}$$

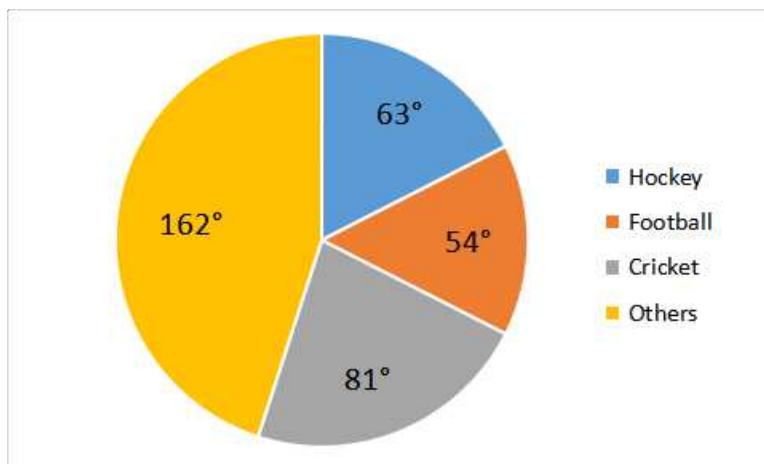
$$\frac{T_1}{T_2} = \frac{4}{5}$$

Option B is correct.

20 SSC GD Mocks 117 (Latest Pattern)

Question 67

The pie chart given here shows the spendings of a country on various sports during a particular year. Study the chart carefully and answer the questions given below it.



How much percent less is spent on Football than that on Cricket?

A $33\frac{1}{3}\%$

B $12\frac{1}{2}\%$

C $20\frac{1}{2}\%$

D 25 %

Answer: A

Explanation:

$$\text{Percentage less is spent on Football than that on Cricket} = \frac{81-54}{81} \times 100 = 33\frac{1}{3}\%$$

Option A is correct.

Question 68

A certain sum is divided among p, q and r in a manner that for every rupee that p gets, q gets 75 paise and for every rupee that q gets, r gets 50 paise. If r's share in the total sum is ₹ 36, then find the share of p.

A ₹96

B ₹72

C ₹54

D ₹60

Answer: A

Explanation:

A certain sum is divided among p, q and r in a manner that for every rupee that p gets, q gets 75 paise,

$$\frac{p}{q} = \frac{100}{75} = \frac{4}{3}$$

and for every rupee that q gets, r gets 50 paise.

$$\frac{q}{r} = \frac{100}{50} = \frac{2}{1}$$

To compare the ratio we need to equate both the ratios and make the value of q equal in both.

So multiplying both denominator and numerator we get,

$$\frac{q}{r} = \frac{6}{3}$$
$$\frac{p}{q} = \frac{8}{6}$$

Therefore, p : q : r :: 8 : 6 : 3

According to question,

If r's share in the total sum is ₹ 36,

$$3 \text{ units} = 36$$

$$1 \text{ unit} = 12$$

Therefore, p's share = $8 \times 12 = 96$

Option A is correct.

Question 69

What should come in place of the question mark (?) in the following question?

$$6 \div 6 \times 9 + 6 - 9 \times 6 - 6 + 6 \times 9 = ?$$

A 7

B 8

C 10

D 9

Answer: D

Explanation:

$$6 \div 6 \times 9 + 6 - 9 \times 6 - 6 + 6 \times 9 = ?$$

Using BODMAS rule,

$$= 1 \times 9 + 6 - 9 \times 6 - 6 + 6 \times 9$$

$$= 9 + 6 - 54 - 6 + 54 = 9$$

Option D is correct.

Question 70

Find the average of $(5 + 5 + \dots \text{ upto 200 times})$ and $(8 + 8 + \dots \text{ upto 100 times})$.

- A 6.5
- B 7
- C 6
- D 75

Answer: C

Explanation:

$$(5 + 5 + \dots \text{ upto 200 times}) = 5 \times 200 = 1000$$

$$(8 + 8 + \dots \text{ upto 100 times}) = 8 \times 100 = 800$$

$$\text{Total average} = \frac{1000+800}{200+100} = 6$$

Option C is correct.

Question 71

If the HCF of two numbers is 6 and their LCM is 120, one such pair of numbers is:

- A 24, 30
- B 18, 40
- C 12, 60
- D 12, 40

Answer: A

Explanation:

$$\text{Product of two numbers} = LCM \times HCF$$

$$120 \times 6 = 720$$

$$24 \times 30 = 720 = LCM \times HCF$$

Option A is correct.

Question 72

In class there are a total of 60 boys and girls. Which of the following can't represent the ratio of the number of boys and girls in the class?

- A 2 : 3
- B 1 : 3
- C 1 : 6
- D 3 : 7

Answer: C

Explanation:

In class there are a total of 60 boys and girls.

Let $x = 60$, Now checking all the options,

$$A \ 2 : 3 \Rightarrow 2x+3x = 5x = 60 \Rightarrow x = 12$$

$$1 : 3 \Rightarrow 1x + 3x = 4x = 60 \Rightarrow x = 15$$

$$1 : 6 \Rightarrow 1x + 6x = 7x = 60 \Rightarrow x = 8.571 \text{ (Value is in decimal)}$$

$$3 : 7 \Rightarrow 3x + 7x = 10x = 60 \Rightarrow x = 6$$

Option C is correct.

SSC MTS Previous Question papers (download pdf)

Question 73

A sum borrowed under compound interest doubles itself in 10 years. When will it become fourfold of itself at the same rate of interest?

- A 24 years
- B 15 years
- C 20 years
- D 40 years

Answer: C

Explanation:

Let P be the Principal Amount

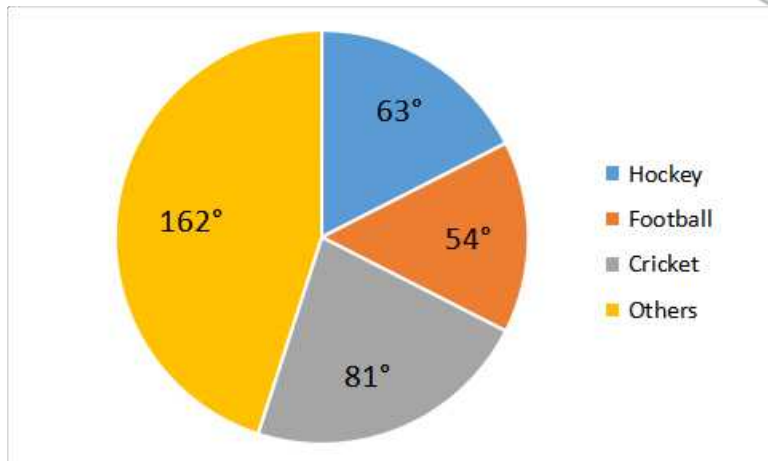


Total time taken $2 \times 10 = 20 \text{ years}$

Option C is correct.

Question 74

The pie chart given here shows the spendings of a country on various sports during a particular year. Study the chart carefully and answer the questions given below:



What percent of the total spendings is spent on others?

- A 12.5%
- B 45%
- C 25%
- D 22.5%

Answer: B

Explanation:

Percentage of the total spendings is spent on others = $\frac{162}{360} \times 100 = 45\%$

Option B is correct.

Question 75

If the surface area of two spheres is in the ratio 49 : 25, then the ratio of their volumes will be:

- A 64 : 27
- B 25 : 49
- C 343 : 64
- D 343 : 125

Answer: D

Explanation:

Surface area of a sphere = $4\pi R^2$

Ratio of surface area of two spheres = $\frac{4\pi R_1^2}{4\pi R_2^2} = \frac{49}{25}$
 $\frac{R_1}{R_2} = \frac{7}{5}$

Volume of a sphere = $\frac{4}{3}\pi R^3$

Ratio of the volume = $\frac{\frac{4}{3}\pi R_1^3}{\frac{4}{3}\pi R_2^3} = \frac{343}{125}$

Option D is correct.

Free SSC Study Material (18,000 Solved Questions)

English

Instructions

For the following questions answer them individually

Question 76

Select the synonym of the given word.

Delight.

- A Grief
- B Joy
- C Excitement
- D Dread

Answer: B

SSC CHSL Previous Papers (DOWNLOAD PDF)

Question 77

Select the word which means the same as the group of words given.

Existing, happening, or operating in the air

- A Terrestrial
- B Aerial
- C Arboreal
- D Aquatic

Answer: B

Question 78

Select the synonym of the given word.
Incredible

- A Unbelievable
- B Ordinary
- C Unspectacular
- D Impossible

Answer: A

Question 79

Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select No substitution required.

Modern farming practices is involving the use of fertilizers and pesticides.

- A involved the using of
- B involve the use of
- C has involved the use in
- D No substitution required

Answer: B

SSC Stenographer Previous Papers (Download PDF)

Question 80

Select the most appropriate word to fill in the blank.
The French Revolution to the end of monarchy in France.

- A is leading
- B were leading
- C led
- D was led

Answer: C

Question 81

Identify the segment in the sentence which contains the grammatical error from the given options.
Scholars have studied the lives of present-day farmer's who practice agriculture.

- A farmer's
- B the lives of
- C Scholars have
- D practice agriculture

Answer: A

Question 82

Identify the segment in the sentence which contains the grammatical error from the given options.
If you plant a seed, you will be noticed that it takes some time to grow.

- A to grow
- B takes some
- C will be noticed
- D If you

Answer: C

SSC GD Constable Previous Papers

Question 83

Select the most appropriate word to fill in the blank.
Minerals are occurring substances which have certain physical properties.

- A thoroughly
- B naturally
- C fictitiously
- D falsely

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 number.

Passage:

On the morning of 14 July 1789, (1)..... city of Paris was ina state of (2)..... . The king had (3)..... troops to moveinto the city. Rumors spread that he would soon order the army to (4)..... fire upon the citizens. Some 7,000 men and womengathered (5)..... the town hall.

Question 84

Select the most appropriate option that will fill in the blank number 1.

- A No article needed

B an

C the

D a

Answer: C

Question 85

Select the most appropriate option that will fill in the blank number 2.

A pease

B disagreement

C ease

D alam

Answer: D

SSC MTS Previous Papers (DOWNLOAD PDF)

Question 86

Select the most appropriate option that will fill in the blank number 3.

A commanded

B urged

C expected

D announced

Answer: A

Question 87

Select the most appropriate option that will fill in the blank number 4.

A open

B cross

C Spread fire

D extinguish

Answer: A

Question 88

Select the most appropriate option that will fill in the blank number 5.

A in front of

B besides

C across

D on top of

Answer: A



SSC GD Constable Previous Papers (DOWNLOAD PDF)

Instructions

For the following questions answer them individually

Question 89

Select the wrongly spelt word.

- A Bracelet
- B Biannual
- C Bileive
- D Brochure

Answer: C

Question 90

Select the wrongly spelt word.

- A Auditorum
- B Analysis
- C Absolute
- D Ambition

Answer: A

Question 91

Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select No substitution required.

The aquatic animals can breatheed under water due to dissolved oxygen.

- A can breathe under water
- B can be breathing in water
- C could have breathed under water
- D No substitution required

Answer: A

SSC CGL Previous Papers (DOWNLOAD PDF)

Question 92

Select the most appropriate word to fill in the blank.

Most workers as laborers in factories where their wages were fixed.

- A is employed



- B has employed
- C were employed
- D was employ

Answer: C

Question 93

Select the antonym of the given word.

Genuine

- A Thankful
- B Fake
- C Unhealthy
- D Original

Answer: B

Question 94

Select the meaning of the given idiom.

Fish out of water

- A To shift to a new place
- B In a new job
- C To be uncomfortable
- D To be depressed

Answer: C

SSC CGL Free Mock Test (Latest Pattern)

Question 95

Select the most appropriate word to fill in the blank.

Biosphere is a narrow zone of the earth where land, water and air with each other to support life.

- A collapse
- B interact
- C surround
- D impose

Answer: B

Question 96

Identify the segment in the sentence which contains the grammatical error from the given options.

Raw materials are substances that are either found naturally or produce by farmers.

- A found naturally

- B produce by
- C Raw materials
- D substances

Answer: B

Question 97

Select the word which means the same as the group of words given.

That which can be heard

- A Legible
- B Edible
- C Tangible
- D Audible

Answer: D

SSC CHSL Free Mock Test (Latest Pattern)

Question 98

Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select No substitution required.

Tissue is a group of cells that are similar to structure and are organised together.

- A that were similarly in
- B No substitution required
- C that is similarly to
- D that are similar in

Answer: D

Question 99

Select the meaning of the given idiom.

A piece of cake

- A Unrealistic hope
- B A small quantity
- C A very easy task
- D Very tasty

Answer: C

Question 100

Select the antonym of the given word.

Rational

- A Impatient

B Conscious

C Illogical

D Polite

Answer: C

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

[SSC GD Free App](#)

[SSC GD Important Questions and Answers PDF](#)

[SSC GD Syllabus \(Download PDF\)](#)

[20 SSC GD Mocks 117 \(Latest Pattern\)](#)

[SSC CPO Previous Question papers \(download pdf\)](#)

[SSC MTS Previous Question papers \(download pdf\)](#)

[Free SSC Study Material \(18,000 Solved Questions\)](#)

[SSC CHSL Prevoius Papers \(DOWNLOAD PDF\)](#)

[SSC Stenographer Previous Papers \(Download PDF\)](#)

[SSC GD Constable Previous Papers](#)

[SSC MTS Previous Papers \(DOWNLOAD PDF\)](#)

[SSC GD Constable 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 GD Free Videos \(Youtube\)](#)