



SSC GD 13th Feb 2019 Shift-1

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Reasoning

Instructions

For the following questions answer them individually

Question 1

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

Mouse: Rodent :: Bee: ?

- A Drone
- B Insect
- C Reptile
- D Bird

Answer: B

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Question 2


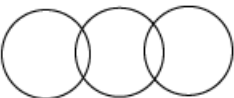

Seven friends O, P, Q, R, S, T and U are watching a movie sitting in a row. S is sitting at one extreme end. is sitting second to the right of S. P is sitting between O and Q. is not sitting at any extreme end. R is sitting to the left of T. Who is sitting in the middle?

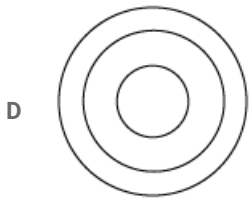
- A R
- B Q
- C P
- D U

Answer: C

Question 3

Select the Venn diagram that best represents the given set of classes:
Udaipur, Rajasthan, India

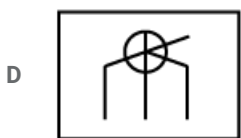
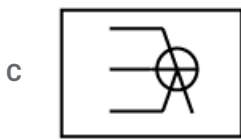
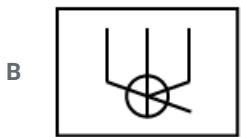
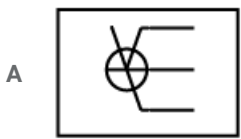
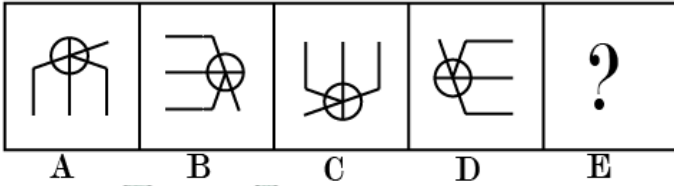
- A 
- B 
- C 



Answer: D

Question 4

Choose the option that would follow next in the given figure series.



Answer: D

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Question 5

Select the option that will correctly replace the question mark (?) in the series.

4, 16, 28, 40, ?

A 69

B 52

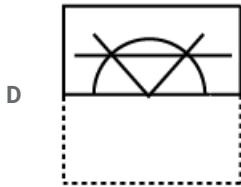
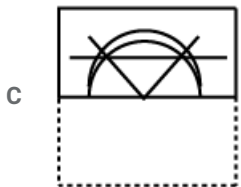
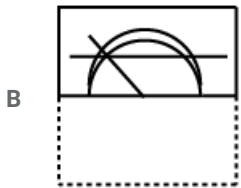
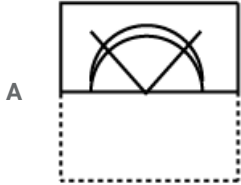
C 51

D 56

Answer: B

Question 6

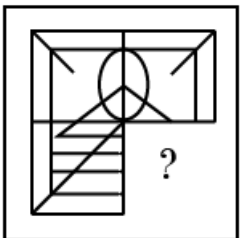
A square transparent sheet with a pattern is given. How will the pattern appear when the transparent sheet is folded along the dotted line?



Answer: C

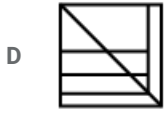
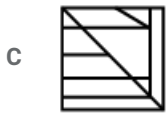
Question 7

Select a figure from amongst the four alternatives that when placed in the blank space (?) of figure X will complete the pattern. (Rotation is not allowed).



X





Answer: B

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Question 8

Select the option that is related to the third number in the same way as the second number is related to the first number.
11 : 225 :: 14 :

A 169

B 324

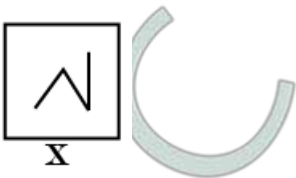
C 144

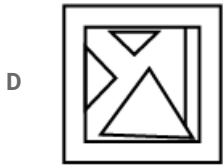
D 225

Answer: B

Question 9

Choose the option in which the figure marked 'X' is embedded. (Rotation is not allowed)





Answer: D

Question 10

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

Unhappy : Sad :: Speak : ?

A Shout

B Desire

C Ask

D Listen

Answer: A

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Question 11

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 at variance with generally established facts, decide which conclusion (s) logically and definitely follow(s) from the information given in the statements.

Statements:

1) All hens are lions.

2) All lions are cats.

Conclusion

I. All cats are hens.

II. Some cats are hens.

A Only conclusion I follows.

B Only conclusion II follows.

C Either conclusion I or conclusion II follows.

D Both conclusions follow.

Answer: B

Question 12

In a certain code, SCIENTIST is written as TSITNEISC. How will GOLDSMITH be written in that code?

A HTIMSDLOG

B HTISMDLGO

C HTIMSDLGO

D HITMSDLOG

Answer: C

Question 13

Choose the option that most closely resembles the mirror image of the given word when mirror is placed at right side.

CAPSIZE

A **EZIZ2AC**

B **CP2IZ2E**

C **EC2IZ2A**

D **CP2IZ2E**

Answer: C

SSC CPO Previous Question papers (download pdf)

Question 14

Select the option that will correctly replace the question mark (?) in the given pattern.

13	22	12
117	?	132
9	7	11

A 117

B 154

C 165

D 119

Answer: B

Question 15

Select the option that will correctly replace the question mark (?) in the series.

OJY, MLW, KNU, IPS, ?

A GRQ

B GRP

C GPO

D GRR

Answer: A

Question 16

Eight friends A, B, C, D, E, F, G and H are sitting around circular table facing each other for a lunch. A is opposite F and third to the right of B. G is between F and D. H is to the left of D. E is between C and A. Who is sitting opposite C ?

- A D
- B F
- C B
- D A

Answer: A

SSC MTS Previous Question papers (download pdf)

Question 17

Choose the odd one out of the given options.

- A MIF
- B RGC
- C DPR
- D EFQ

Answer: C

Question 18

J, K, L, M, N and O are six teachers. Each one teaches a different subject out of Hindi, English, Math, Science, Social Science and Arts, not necessarily in the same order. Each of them teaches on only one day, from Monday to Saturday, not necessarily in the same order. J teaches Arts on Saturday. L teaches neither English nor Social Science, but he teaches on Thursday. Wednesday is reserved for Maths taught by K. O teaches Science a day before N. Social Science is taught a day before Arts. Which subject is taught by N?

- A Arts
- B Hindi
- C English
- D Science

Answer: C

Question 19

Select the option that will correctly replace the question mark (?) in the series.

9, 10, 18, 45, ?

- A 107
- B 111
- C 109
- D 110

Answer: C

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Question 20

Find out the two signs to be interchanged to make the following equation correct.

$$13 + 26 \times 2 - 5 \div 3 = 11$$

A $-$ and \div

B \times and \div

C $+$ and $-$

D $-$ and \times

Answer: B

Question 21

Select the odd from the following options

A Garlic

B Ginger

C Potato

D Tomato

Answer: D

Question 22

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 at variance with generally established facts, decide which conclusion(s) logically and definitely follow(s) from the information given in the statements.

Statements:

1) Some men are insects.

2) Some larvae are insects.

Conclusion

I. Some insects are larvae.

II. Some insects are men.

A Only conclusion I follows.

B Both conclusions follow.

C Only conclusion II follows.

D Neither conclusion I nor conclusion II follows.

Answer: B

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Question 23

Select the option that is related to the third term in the same way as the second term is related to the first term.
BAC : GFH :: LKM : ?

- A QRP
- B QPR
- C QOP
- D QPO

Answer: B

Question 24

Choose the odd number out of the given options.

- A 109
- B 561
- C 127
- D 307

Answer: B

Question 25

In a certain code, REFUSE is written as 74. How will KIDNAP be written in that code?

- A 59
- B 55
- C 54
- D 57

Answer: B

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General knowledge

Instructions

For the following questions answer them individually

Question 26

Which of the following festivals is associated with the 'Vaman' incarnation of Vishnu?

- A Kumbha
- B Bihu
- C Onam
- D Janmashtami

Answer: C

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Question 27

As of February 2019, who is the current Vice-Chairman of Niti Aayog?

- A Shaktikanta Das
- B Rajiv Kumar
- C Shakti Sinha
- D Urjit Patel

Answer: B

Question 28

The Indian constitution declares India as:

- A a Federation of States
- B a Confederation of States
- C a Union of States
- D a Association of States

Answer: C

Question 29

Which of the following is NOT a determinant of the patterns of drainage system?

- A Climatic conditions of the area
- B Source of the drainage system
- C Underlying rock structure
- D Slope of the land

Answer: B

SSC MTS Previous Papers (DOWNLOAD PDF)

Question 30

In the context of Sufi tradition, the term 'khangah' stood for:

- A the Hell
- B a graveyard
- C a hospice
- D the Heaven

Answer: C

Question 31

Which of the following is NOT true about nuclear fusion?

- A It produces much more energy than nuclear fission.
- B The process is used for making nuclear bomb.
- C Electricity production through this process is commercially less viable than nuclear fission.
- D It is the source of energy in the stars.

Answer: B

Question 32

Which of the following pair is NOT correctly matched?

- A Magnesium hydroxide- $MgOH_2$
- B Sulphuric acid - H_2SO_4
- C Ammonium hydroxide - NH_4OH
- D Nitric acid - HNO_3

Answer: A

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Question 33

Which of the following money transfer systems allows 24x7 transfer of money?

- A IMPS
- B Cheque
- C NEFT
- D RTGS

Answer: A

Question 34

Which of the following is NOT an artificial ecosystem?

- A Reservoir of a dam
- B Paddy-field
- C Forest
- D Garden

Answer: C

Question 35

Which of the following has been dubbed as 'India's maiden human spaceflight programme'?

- A Mangalyaan – II
- B Gaganyaan
- C Chandrayaan – II
- D Aditya L - 1

Answer: B

SSC CGL Previous Papers (DOWNLOAD PDF)

Question 36

Which of the followings was NOT a Harappan city?

- A Lothal
- B Dholavira
- C Mehrgarh
- D Sotkakoh

Answer: C

Question 37

..... was awarded the Noble Peace Prize 2018.

- A Nadia Murad
- B Kazuo Ishiguro
- C James P. Allison
- D Donna Strickland

Answer: A

Question 38

Which Indian cricketer topped the MRF Tyres ICC Test Player Rankings at the year-end after 2018?

- A Virat Kohli
- B Ajinkya Rahane
- C Cheteshwar Pujara
- D Ravindra Jadeja

Answer: A

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Question 39

Which of the following turns Blue litmus Red?

- A Vinegar
- B Lime Water
- C Baking Soda
- D Milk

Answer: A

Question 40

Bhimbetka, a world heritage site, is known for:

- A Ashokan Pillar
- B prehistoric rock shelters
- C monolithic temples
- D Buddhist stupas

Answer: B

Question 41

Which of the following statements is NOT correct about myopia?

- A The vision may be corrected with the help of concave lenses.
- B It is also known as near sightedness.
- C In the affected eye, the image of a distant object is formed beyond the retina.
- D The person affected by it cannot see beyond few metres.

Answer: C

SSC CHSL Free Mock Test (Latest Pattern)

Question 42

What is 'Bringra' in Orissa?

- A A village known for diamond mines
- B A stone weapon used by the aboriginals
- C An edible oil used by the aboriginals
- D A local name of 'slash and burn' agriculture

Answer: D

Question 43

Which of the following options is also termed as the third-tier of democracy in India?

- A State government
- B Union Territory governments

C Local-self government

D Supreme Court

Answer: C

Question 44

Which of the following rulers built the mosque called 'Adhai-din-ka-Jhonpra'?

A Balban

B Abraham Lodi

C Iltutmish

D Qutub-ud-Din-Aibak

Answer: D

SSC Stenographer Previous Papers (Latest Pattern)

Question 45

Which of the following constitutional amendments provided for the Right to Education?

A 88th amendment

B 89th amendment

C 87th amendment

D 86th amendment

Answer: D

Question 46

Which of the following institutions is responsible for regulating the formal sources of credit in India?

A RBI

B TRAI

C NABARD

D IRDA

Answer: A

Question 47

Which of the following organizations received the Maulana Abul Kalam Azad (MAKA) Trophy 2017-18?

A JSW Sports

B Isha Outreach

C Rashtriya Ispat Nigam Limited

D Guru Nanak Dev University

Answer: D

SSC GD Constable Free Mock Test (Latest Pattern)

Question 48

The Economic Survey of India is published by:

- A Department of Financial Services
- B Department of Economic Affairs
- C Department of Revenue
- D Department of Public Expenditure

Answer: B

Question 49

During British rule in India, 'gomastha' was:

- A a paid servant to supervise weavers, collect supplies, and examine the quality of cloth
- B an Indian soldier appointed as the in-charge of a cavalry
- C a village-level official in the revenue-department
- D an Indian official in the intelligence department

Answer: A

Question 50

Which of the following rivers forms the famous Dhuadhar falls?

- A Narmada
- B Kali Sindh
- C Chambal
- D Tapi

Answer: A

SSC MTS Free Mock Test (Latest Pattern)

Quant

Instructions

For the following questions answer them individually

Question 51

A sum of ₹ 8250 gives simple interest of ₹ 2475 in 5 years. What will be the rate of interest per annum?

- A 7.5%
- B 8%

C 6%

D 10%

Answer: C

Explanation:

Given, Principal = Rs.8250

Time period = 5 years

Let the rate of interest = R%

$$8250 \times R \times 5$$

$$100 = 2475$$

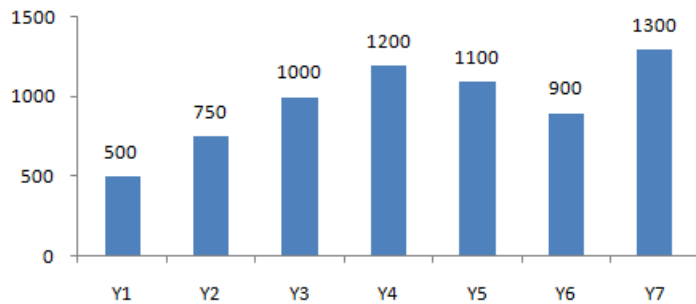
$$\Rightarrow R = 6$$

Therefore, Rate of interest = 6%

SSC CPO Free Mock Test (Latest Pattern)

Question 52

The bar chart given below shows the total exports (in = 1000 crores) of a country for 7 consecutive years Y1, Y2, Y3, Y4, Y5, Y6 and Y7.



What is the average exports from years Y1 to Y7?

A 931.45

B 886.19

C 964.28

D 847.87

Answer: C

Explanation:

Exports for 7 years(in 1000 crores) are:

Y1 = 500

Y2 = 750

Y3 = 1000

Y4 = 1200

Y5 = 1100

Y6 = 900

Y7 = 1300

$$\text{Average export(in 1000 crore)} = \frac{500 + 750 + 1000 + 1200 + 1100 + 900 + 1300}{7} = \frac{6750}{7} = 964.28$$

Question 53

The volume of a right circular cone is equal to the volume of that right circular cylinder whose height is 27 cm and diameter of its base is 30 cm. If the height of the cone is 25 cm, then what will be the diameter of its base?

- A 24 cm
- B 54 cm
- C 27 cm
- D 35 cm

Answer: B

Explanation:

Given, Height of the cylinder = 27 cm

Radius of the cylinder = $30/2 = 15$ cm

Volume of the cylinder = $\pi \times 15^2 \times 27$

Given, Height of the cone = 25 cm

Let radius of the cone be r cm

Volume of the cone = $\frac{1}{3} \times \pi \times r^2 \times 25$

Given, Volumes of the cone and cylinder are equal.

$$\pi \times 15^2 \times 27 = \frac{1}{3} \times \pi \times r^2 \times 25$$

$$\Rightarrow r^2 = \frac{15^2 \times 9^2}{5^2}$$

$$\Rightarrow r = \frac{15 \times 9}{5} = 27$$

Radius of the base of the cone = 27 cm

Then, Diameter of the base of the cone = 54 cm.

Question 54

Out of 100 articles, 25 articles were sold at 25% profit and the remaining articles were sold at 25% loss. What will be the total loss percentage?

- A 15
- B 12.5
- C 20
- D 10

Answer: B

Explanation:

Let the Cost Price of each article be Rs.100

Then, Cost Price of 100 articles = $100 \times 100 = \text{Rs.}10000$

Cost Price of 25 articles = Rs.2500

Selling Price of 25 articles with a profit of 25% = 125% of Rs.2500 = Rs.3125

Remaining articles = 75

Cost Price of 75 articles = Rs.7500

Selling Price of 75 articles with a loss of 25% = 75% of Rs.7500 = Rs.5625

Total Cost Price = Rs.10000

Total Selling Price = Rs.3125 + Rs.5625 = Rs.8750

$$\text{Loss} = \frac{10000 - 8750}{10000} \times 100 = 12.5\%$$

$$\text{Loss percentage} = \frac{10000 - 8750}{10000} \times 100 = 12.5\%$$

Question 55

40 mechanics can repair a bike in 56 days. In how many days 32 mechanics will do the same work?

- A 60 days
- B 56 days
- C 80 days
- D 70 days

Answer: D

Explanation:

We know that $M_1 \times D_1 = M_2 \times D_2$ where M = Number of men and D = Number of days.

$$40 \times 56 = 32 \times D_2$$

$$\Rightarrow D_2 = 70$$

Hence, 32 mechanics can repair a bike in 70 days.

Question 56

The average of 23, 27, 29, 36, 47 and x is 35. What is the value of x?

- A 45
- B 52
- C 48
- D 39

Answer: C

Explanation:

Given, Numbers are 23,27,29,36,47 and x.

Average = 35

$$\frac{23 + 27 + 29 + 36 + 47 + x}{6} = 35$$

$$\Rightarrow 162 + x = 210 \Rightarrow x = 48$$

Question 57

Tap K can fill a tank in 8 hours and tap L can fill the same tank in 20 hours. In how many hours both tap K and L together can fill the same tank?

- A 20/3 hours
- B 60/11 hours
- C 18/5 hours
- D 40/7 hours

Answer: D

Explanation:

Let the capacity of the tank be 40 units (LCM of 8 and 20)

Efficiency of Pipe K = $40/8 = 5$ units per hour.

Efficiency of Pipe L = $40/20 = 2$ units per hour.

Hence, They can fill the tank at 7 units per hour.

Therefore, 40 units of tank can be filled in 7 hours

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Question 58

Selling price of first article is ₹ 960 and cost price of second article is ₹ 960. If there is a profit of 20% on first article and loss of 20% on second article, then, what will be the total loss?

- A ₹36
- B ₹24
- C ₹20
- D ₹32

Answer: D

Explanation:

Given, Selling Price of first article = Rs.960

Profit = 20%

100

Then, Cost Price of first article = $Rs.960 \times \frac{100}{120} = Rs.800$

Given, Cost Price of second article = Rs.960

Loss = 20%

80

Then, Selling Price of second article = $Rs.960 \times \frac{80}{100} = Rs.768$

Total Cost Price of first and second article = Rs.800+Rs.960 = Rs.1760

Total Selling Price of first and second article = Rs.960+Rs.768 = Rs.1728

Therefore, Loss = Rs.1760 - Rs.1728 = Rs.32

Question 59

Neeraj covers two distances of 10 km and 20 km in 1 hour and 5 hours respectively. What will be the average speed of Neeraj for the whole journey?

- A 4 km/hr
- B 7 km/hr
- C 5 km/hr
- D 6 km/hr

Answer: C

Explanation:

Given, Distances are 10 km and 20 km.

Time taken to travel 10 km and 20 km are 1 hour and 5 hours respectively.

Total distance = 10+20 = 30 km

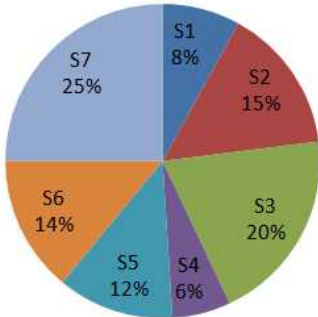
Total time = 1+5 = 6 hours

30

Therefore, Average speed = $\frac{30}{6} = 5 \text{ km/hr}$

Question 60

The pie chart given below shows the annual snowfall received by 7 states of a country. The snowfall is shown as a percentage of total annual snowfall of the country.



If the annual snowfall received by the country is 700 cm. What is the difference in the annual snowfalls of S3 and S2?

- A 42 cm
- B 7 cm
- C Cannot be determined
- D 35 cm

Answer: D

Explanation:

Given, Annual snowfall received by the country = 700 cm

Snowfall received by S2 = 15% of 700

Snowfall received by S3 = 20% of 700

Difference between the snowfall of S2 and S3 = 20% of 700 - 15% of 700 = 5% of 700 = 35 cm.

SSC GD Important Questions and Answers PDF

Question 61

What is the value of $(2000 \div \frac{1}{2} \text{ of } \frac{25}{2} \times \frac{5}{2} \text{ of } \frac{4}{25} - 5)$?

- A 121
- B 123
- C 122
- D 126

Answer: B

Explanation:

$$\left(2000 \div \frac{1}{2} \text{ of } \frac{25}{2} \times \frac{5}{2} \text{ of } \frac{4}{25} - 5\right) = 2000 \div \frac{25}{4} \times \frac{2}{5} - 5 = \frac{2000}{25} \times 4 \times \frac{2}{5} - 5 = 128 - 5 = 123$$

Question 62

A motorcycle is moving at the speed of 25 km/hr and its speed is increased by 7 km/hr at the end of each hour. How much time it will take to cover a distance of 225 km?

- A $\frac{11}{2}$ hr
- B 7 hr

C $\frac{13}{2}$ hr

D 6 hr

Answer: A

Explanation:

Given, Total distance = 225 km

Distance travelled in every hour will be equal to the speed.

Distance travelled in 1st hour = 25 km

Distance travelled in 2nd hour = 32 km (Speed increased by 7 km/hour)

Distance travelled in 3rd hour = 39 km

Distance travelled in 4th hour = 46 km

Distance travelled in 5th hour = 53 km

Total distance travelled in 5 hours = $25+32+39+46+53 = 195$ km

Remaining distance = $225-195 = 30$ km

Speed for 6th hour will be $53+7 = 60$ km/hr

Hence, 30 km can be travelled in 0.5 hours.

11

Therefore, 225 km distance will be travelled in 5.5 hours = $5\frac{1}{2}$ hr

Question 63

What is the mode of the given data?

21, 22, 23, 23, 24, 21, 22, 23, 21, 23, 24, 23, 21, 23

A 23

B 21

C 22

D 24

Answer: A

Explanation:

Mode is the most repeated number of the series.

In the given series,

21 is repeated 4 times.

22 is repeated 2 times.

23 is repeated 6 times.

24 is repeated 2 times.

Therefore, 23 is the mode in the given series.

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Question 64

A sum of ₹ 10500 becomes ₹ 17745 in 2 years at the rate of compound interest. If the interest is compounded annually, then what will be the rate of interest?

A 40%

B 30%

C 25%

D 20%

Answer: B

Explanation:

Given, Principal = Rs.10500

Let the rate of interest be R%

Time period = 2 years

Amount = Rs.17745

$$10500 \times \frac{100 + R}{100} \times \frac{100 + R}{100} = Rs.17745$$

$$\Rightarrow \left(\frac{100 + R}{100} \right)^2 = 169$$

$$\Rightarrow \frac{100 + R}{100} = 13$$

$$\Rightarrow 100 + R = 130 \Rightarrow R = 30$$

Therefore, Rate of interest = 30%

Question 65

The average monthly salary of 30 employees and 5 managers is ₹ 80000. One manager with salary ₹ 180000 is replaced by a new manager. If the average monthly salary now becomes ₹ 78500, then what is the monthly salary of the new manager?

- A ₹142500
- B ₹132000
- C ₹127500
- D ₹154500

Answer: C

Explanation:

Given, Average salary of 30 employees and 5 managers = Rs.80000

Total salary of 35 people = $35 \times 80000 = Rs.2800000$

Given, One manager with salary 180000 is replaced with a new manager.

Let the salary of a new manager be Rs.X

$$\frac{Rs.2800000 - Rs.180000 + Rs.X}{35} = Rs.78500$$

$$\Rightarrow Rs.2620000 + Rs.X = Rs.2747500 \Rightarrow X = Rs.127500$$

Therefore, The salary of the new manager = Rs.127500

Question 66

Height of a right circular cone is 8 cm. If diameter of its base is 12 cm, then what will be the curved surface area of the cone?

- A $\frac{1056}{7} \text{ cm}^2$
- B $\frac{1320}{7} \text{ cm}^2$
- C $\frac{1440}{7} \text{ cm}^2$
- D $\frac{2112}{7} \text{ cm}^2$

Answer: B

Explanation:

Given, Diameter of the base of the cone = 12 cm

Then, Radius = 6 cm

Given, Height of the cone = 8 cm

$$\text{Slant height of the cone} = \sqrt{\text{Radius}^2 + \text{Height}^2} = \sqrt{6^2 + 8^2} = \sqrt{36 + 64} = \sqrt{100} = 10\text{cm}$$

$$\text{Curved Surface area of the cone} = \pi rL = 7 \times 6 \times 10 = 7 \text{ cm}^2$$

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Question 67

The ratio of the areas of two triangles is 1 : 2 and the ratio of their bases is 3 : 4. What will be the ratio of their height?

A 1 : 3

B 4 : 3

C 2 : 1

D 2 : 3

Answer: D

Explanation:

Let the bases of the triangles be 3x and 4x units.

Heights of the triangles be a and b units respectively.

$$\text{Then, Ratio of their areas} = \frac{2 \times 3x \times a}{2 \times 4x \times b} = 3a : 4b$$

$$\text{Given, } 3a : 4b = 1 : 2$$

$$\Rightarrow \frac{3a \times 2}{4} = \frac{4b \times 1}{2} \Rightarrow 6a = 4b$$

$$\Rightarrow b = \frac{6}{4} = \frac{3}{2}$$

Therefore, Their heights will be in the ratio 2 : 3.

Question 68

A bag has Rs.840 in the denomination of ₹ 1, ₹ 2 and ₹ 5 coins. ₹ 1, ₹ 2 and ₹ 5 coins are in the ratio of 8 : 1 : 5. How many coins of ₹ 5 are in the bag?

A 60

B 24

C 600

D 120

Answer: D

Explanation:

Let the number of Rs.1 coins, Rs.2 coins and Rs.5 coins be 8x, x and 5x respectively.

$$\text{Then, Value of Rs.1 coins} = 8x \times 1 = \text{Rs.}8x$$

$$\text{Value of Rs.2 coins} = x \times 2 = \text{Rs.}2x$$

$$\text{Value of Rs.5 coins} = 5x \times 5 = \text{Rs.}25x$$

$$\text{Then, Total money present in the bag} = \text{Rs.}8x + \text{Rs.}2x + \text{Rs.}25x = \text{Rs.}35x$$

$$\text{Given, Rs.}35x = \text{Rs.}840 \Rightarrow x = 24$$

$$\text{Therefore, Number of Rs.5 coins} = 5x = 24 \times 5 = 120 \text{ coins.}$$

Question 69

What is the value of $(11 \div 4 - \frac{2}{3} \text{ of } \frac{9}{8} + 11)$?

- A 13
- B 11
- C 15
- D 17

Answer: A

Explanation:

$$(11 \div 4 - \frac{2}{3} \text{ of } \frac{9}{8} + 11) = \frac{11}{4} - 4 + 11 = \frac{11}{4} + 11 = 2 + 11 = 13$$

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Question 70

The Least Common Multiple and Highest common Factor of two numbers are 30 and 5 respectively. If their sum is 25, then what will be the difference of these two numbers?

- A 15
- B 10
- C 25
- D 5

Answer: D

Explanation:

Let the two numbers be a and b.

We know that Product of two numbers = Product of their LCM and HCF.

$$\text{Then, } ab = 30 \times 5 = 150$$

$$a + b = 25$$

$$(a - b)^2 = (a + b)^2 - 4ab = 25^2 - 4 \times 150 = 625 - 600 = 25$$

$$\Rightarrow a - b = 5$$

Therefore, The difference between the numbers = 5.

Question 71

A shopkeeper sells a cooler at a discount of 15%. If he gives a discount of 19%, then he earns ₹ 332 less. What will be the marked price of the cooler?

- A ₹8100
- B ₹8300
- C ₹8700
- D ₹8200

Answer: B

Explanation:

Let the Marked Price of the cooler be Rs.100x

Selling Price after a discount of 15% = 85% of Rs.100x = Rs.85x

Selling Price after a discount of 19% = 81% of Rs.100x = Rs.81x

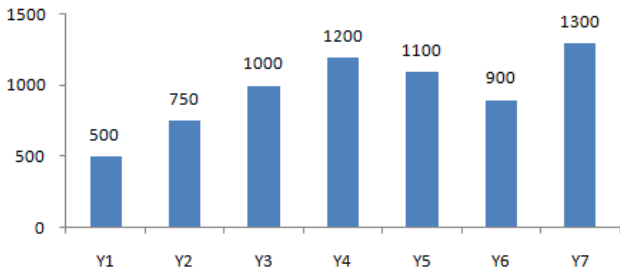
Given, Rs.85x - Rs.81x = Rs.332

$$\Rightarrow 4x = 332 \Rightarrow x = 83$$

Therefore, Marked price = Rs.100x = Rs.100*83 = Rs.8300.

Question 72

The bar chart given below shows the total exports (in = 1000 crores) of a country for 7 consecutive years Y1, Y2, Y3, Y4, Y5, Y6 and Y7.



What is the ratio of the exports of year with lowest exports and the year with second highest exports?

- A 9 : 12
- B 5 : 12
- C 9 : 13
- D 5 : 11

Answer: B

Explanation:

Exports of year with lowest exports(in 1000 crores) = 500 in Y1
Exports of year with second highest exports(in 1000 crores) = 1200 in Y4
Therefore, Required ratio = 500 : 1200 = 5 : 12

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Question 73

If X is 80% more than Y, then Y is how much percentage less than X?

- A 61.33%
- B 80%
- C 33.33%
- D 44.44%

Answer: D

Explanation:

Let Y be 100. Then X = 180% of 100 = 180
 $180 - 100 = 80$
Y is less than X by $\frac{80}{180} \times 100 = 44.44\%$
We know that $\frac{1}{4} = 25\%$
Then, $\frac{1}{4} = 25\%$

Question 74

P, Q and R invest sum in the ratio of 7 : 4 : 9 respectively. If they earned total profit of ₹ 6680 at the end of year, then what is the total share of P and Q together?

- A ₹4868
- B ₹4254
- C ₹4124
- D ₹3674

Answer: D

Explanation:

Ratio of investments = Ratio of profits = 7 : 4 : 9

Let the profits of P, Q and R be $Rs.7x$, $Rs.4x$ and $Rs.9x$ respectively.

Total profit = $Rs.7x + 4x + 9x = Rs.20x$

Given, $20x = 6680 \Rightarrow x = Rs.334$

Then, Total share of P and Q together = $Rs.7x + Rs.4x = Rs.11x = 11 \times 334 = Rs.3674$

Question 75

K, L and M invest sum in the ratio of 15 : 20 : 27 respectively. If they earned total profit of ₹ 10230 at the end of year, then what is the difference between share of K and L?

- A ₹ 1155
- B ₹ 1275
- C ₹ 1980
- D ₹ 825

Answer: D

Explanation:

Ratio of investments = Ratio of profits

Let the profits of K, L and M be $Rs.15x$, $Rs.20x$ and $Rs.27x$ respectively.

Total profit = $Rs.15x + Rs.20x + Rs.27x = Rs.62x$

Given, $Rs.62x = Rs.10230 \Rightarrow x = Rs.165$

Then, The difference between share of K and L = $Rs.20x - Rs.15x = Rs.5x = Rs.5 \times 165 = Rs.825$

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English

Instructions

For the following questions answer them individually

Question 76

Select the most appropriate meaning of the underlined idiom in the given sentence.

My views are totally in harmony with my brother's views.

- A according to
- B in favor of
- C different from
- D in agreement with

Answer: D

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Question 77

Select the most appropriate ANTONYM of the given word.
ATTRACTED

- A Repelled
- B Enchanted
- C Transformed
- D Disturbed

Answer: A

Question 78

Select the most appropriate word to fill in the blank.
My sister a cat and brought it home.

- A assumed
- B adapted
- C adopted
- D approved

Answer: C

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 improvement.

The sound of the sea waves became gradually weaker over the time.

- A sounds of the sea wave
- B sound from sea waves
- C No improvement
- D sound with the sea waves

Answer: C

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Question 80

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.

Sivagami longed to touch the chisel but her grandfather chase her away.

- A chased it away
- B chased her away

- C No improvement
- D had chased them away

Answer: B

Question 81

Identify the segment in the sentence which contains the grammatical error from the given options.
I'm sorry, but I don't agree with which you just said.

- A I'm sorry
- B with which
- C just said
- D don't agree

Answer: B

Question 82

Select the most appropriate synonym of the given word.
THRIVE

- A Prosper
- B Promote
- C Foster
- D Progress

Answer: A

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Question 83

Select the word which means the same as the group of words given.
An act that makes you feel morally bad or ashamed.

- A Displeased
- B Irrational
- C Disgraceful
- D Ignorant

Answer: C

Question 84

Select the most appropriate meaning of the given idiom.
Bone of contention

- A A cause of failure
- B A matter of contentment

- C A highly irritable person
- D A subject of dispute

Answer: D

Question 85

Fill in the blanks with the most appropriate words.

Once the mother duck jumped the pond, the ducklings followed suit.

- A over
- B in
- C under
- D into

Answer: D

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Question 86

Select the correctly spelt word.

- A Thoroughfare
- B Thoroughfair
- C Thorowfare
- D Throughfare

Answer: A

Question 87

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.

The ticking of the clock was the only sound to hear.

- A in hearing
- B No improvement
- C to hear with
- D to be heard

Answer: D

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:

The trees had lost most of their leaves and their (1)..... figures were clear against the grey sky. Bella looked up at them and could see birds (2)..... with difficulty, (3)..... to keep themselves in place while the wind tried to blow them (4)..... She was walking against the wind and trying hard to push herself ahead. She resisted and strode (5).....

Question 88

Fill in blank (1) with the most appropriate option.

- A bared
- B dreary
- C parched
- D dried

Answer: A

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Question 89

Fill in blank (2) with the most appropriate option.

- A perching
- B punching
- C pouncing
- D parching

Answer: A

Question 90

Fill in blank (3) with the most appropriate option.

- A struggling
- B sleeping
- C sliding
- D surviving

Answer: A

Question 91

Fill in blank (4) with the most appropriate option.

- A out
- B away
- C up
- D aside

Answer: B

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Question 92

Fill in blank (5) with the most appropriate option.

- A on
- B by
- C up
- D in

Answer: A

Instructions

For the following questions answer them individually

Question 93

Identify the segment in the sentence which contains the grammatical error from the given options.
As far the eye could reach, nothing could be seen except the ruined columns of an old building.

- A could reach
- B As far the eye
- C except the
- D nothing could be

Answer: B

Question 94

Select the word which means the same as the group of words given.
That which cannot be wrong

- A Irrefutable
- B Inaccurate
- C Infallible
- D Inevitable

Answer: C

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Question 95

Select the most appropriate antonym of the given word.
BENEVOLENT

- A Dull
- B Merciless
- C Friendly
- D Injurious

Answer: B

Question 96

Select the most appropriate word to fill in the blank.

His success in the competitive examination gave him a major in his career.

- A break out
- B breakthrough
- C break up
- D breakdown

Answer: B

Question 97

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

She always gets the better in quarrels whether it is with girls or boys.

- A better in
- B gets the
- C it is with
- D She always

Answer: A

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Question 98

Select the correctly spelt word.

- A Kindergarden
- B Kindergarten
- C Kindargarten
- D Kindergardan

Answer: B

Question 99

Fill in the blank with the most appropriate option.

..... in the first attempt, he did not try again.

- A Being failing
- B Having failed
- C Being failed
- D Having fail

Answer: B

Question 100

Select the most appropriate synonym of the given word.

MORALE

- A Appearance
- B Attitude
- C Self-confidence
- D Reputation

Answer: C

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