SBI Clerk 29 May 2016

English

Instructions

For the following questions answer them individually

Question 1

Select the word that has been used incorrectly in the given sentence:

The Asian Development Bank has supported the government's latest efforts to deliver quality health services to all sections of society.

A supported

B latest

C deliver

D sections

E All correct

Answer: E

Question 2

On the basis of the forecast by the Indian Meteorological Department the government ordered district collectors to visit districts, which are expected to receive heavy rainfal.

A ordered

B district

C expected

D rainfal

E All correct

Answer: D

Question 3

The economy is on the partto recovery and slowly, but surely the banking sector will perform well.

A part

B recovery

C surely

D perform

E All correct

Answer: A

Question 4

During the course of the day many meetings were held but the agenda was not shared with us.

A During

B course

C held

D agenda

E All correct

Answer: E

Question 5

Meazures to increase both ×nancial inclusion and investmentin infrastructure will result in gains for the country.

A Meazures

B inclusion

C investment

D gains

E All correct

Answer: A

Explanation:
EndGroup:

Instructions

Read the following story carefully and answer the questions given. Certain words/phrases have been given in bold to help you locate them while answering some of the questions.
Once there was a king who had been trying really hard to capture an elephant, but that prize had proved elusive. All the hunters in the kingdom had tried but their efforts were **'in vain'.** So the king announced that anyone who could capture the elephant would get half his kingdom. The tortoise heard about this and went to

the king to accept the challenge. The king was very amused. 'All my hunters have failed to capture the elephant and you think you can succeed ?', asked the king. The tortoise **insisted** that he was up to the task and promised to deliver that elephant to the king within forty eight hours. The tortoise then dug a big hole, big enough to hold the elephant along a path leading to the village. Then he covered the hole with sticks and leaves so that it was not visible unless inspected closely. When this was done, the tortoise went in search of the elephant. When the tortoise met the elephant, he told him, 'You know you are the largest animal in the forest and you should be a king ?' The elephant had never considered this before but he thought it was not a bad idea. The tortoise told the elephant that the villagers had decided to make the largest animal their king and were all expecting the elephant to come to the village and be crowned as their king. The more the elephant heard, the more **excited** he became. The tortoise **adorned** the elephant with colourful beads and beating a gong, he sang songs **praising** the elephant while he led the way to the village. Soon they approached the trap and the tortoise being lighter and smaller walked over the trap. The elephant who was following him fell through the sticks and leaves into the deep hole and thus helped the tortoise in achieving his goal well within the time limit.

Question 6

As mentioned in the story, despite the king doubting his ability, the tortoise accepted the challenge .
A. he was forced to do so by the villagers.
B. to prove to the king that only a tortoise and his family could complete the challenge.
C. he wanted the entire kingdom to himself.

A Only A

B A and B

C Only B

D Only C

E None of these

Answer: E

Question 7

Which of the following correctly explains the meaning of the phrase, 'in vain' as used in the story ?

A were painful

B were successful

C were in order

D were untruthful

E were simple

Answer: E

Question 8

Which of the following could be a suitable title of the story ?

A The Elephant who Became the Most Popular King

B The Wise King

C The Clever Tortoise

D The Villagers and their Love for the Elephant

E The Sel×sh Villagers

Answer: C

Question 9

Which of the following is most nearly the opposite in meaning as the word 'Excited' as used in the story ?

A Bored

B Interested

C Affected

D Feeling

E Merciless

Answer: A

Question 10

Which of the following statements is true in the context of the story ?

A The king, refused to share his kingdom with the tortoise.

B The tortoise kept his word by providing the king with what he desired.

C It was the king's idea that helped the tortoise achieve his target.

D The elephant was popular for his beautiful skin.

E None of the given statements is true.

Answer: B

Question 11

As mentioned in the story, the elephant followed tortoise's advice because :
A. for him, the tortoise was the wisest animal in the village
B. he really believed that the villagers wanted him as the king
C. he had always wanted to become rich and powerful

A Only A

B A and C

C A and B

D Only B

E All of these

Answer: D

Question 12

Which of the following is most nearly the same in meaning as the word 'Insisted' as used in the story ?

A Requested

B Revived

C Repeated

D Invited

E Showed

Answer: C

Question 13

Which of the following is most nearly the opposite in meaning as the word 'Praising' as used in the story ?

A Insulting

B Concealing

C Hiding

D Refusing

E Removing

Answer: A

Question 14

As mentioned in the story, which of the following can be said about the elephant?

A He had a good sense of humour.

B He was foolish.

C He was balanced.

D He was logical.

E He was short tempered.

Answer: B

Question 15

Which of the following is most nearly the same in meaning as the word 'Adorned' as used in the story ?

A Touched

B Adored

C Charmed

D Decorated

E Stuffed

Answer: D

Instructions

Rearrange the given six sentences! group of sentences A, B, C, D, E and F in a proper sequence so as to form a meaningful paragraph and then answer the given questions.
A. The next day, Shiva appeared at Raghu's house and spotted a metal chest on the rooftop which had all the money and ornaments that Raghu owned.
B. When Raghu arrived at Shiva's house, Shiva asked him to guess what fruit it was, saying that if Raghu failed, he (Shiva) would carry one thing out of Raghu's house and if Raghu guessed correctly then Raghu could carry one thing out of Shiva's house.
C. Seeing him Raghu thanked him saying, 'Thank you for sparing my wealth and carrying out only the ladder!'
D. One day, Shiva hatched a plan to outwit Raghu. He plucked a mango and wrapped it well in a piece of cloth.
E. 'Oh ho!' You thought that you'd hide all your wealth from me said Shiva going into Raghu's house and bringing out a ladder began to climb up onto the roof.
F. But Raghu's guesses were incorrect.

Question 16

Which of the following should be the FIFTH sentence after the rearrangement?

A A

B B

C D

D E

E F

Answer: D

Question 17

Which of the following should be the SECOND sentence after the rearrangement?

A A

B B

C C

D E

E D

Answer: B

Question 18

Which of the following should be the THIRD sentence after the rearrangement?

A A

B B

C C

D D

E F

Answer: E

Question 19

Which of the following should be the SIXTH (LAST) sentence after the rearrangement?

A A

B B

C C

D D

E E

Answer: C

Question 20

Which of the following should be the FIRST sentence after the rearrangement?

A A

B C

C D

D E

E F

Answer: C

Instructions

Read the following sentences to find out whether there is any grammatical error in them. The error, if any, will be in one part of the sentence. Mark the part with the error as your answer. If there is no error, mark 'No error' as your answer. (Ignore errors of punctuation, if any)

Question 21

One should always be happy from whatever one has and should not be greedy.

A One should always

B be happy from

C whatever one has

D and should not be greedy.

E No error

Answer: B

Question 22

My friend lost his temper on the shopkeeper and slapped him.

A My friend lost

B his temper on the

C shopkeeper and

D slapped him.

E No error

Answer: B

Question 23

Luxurious and expensive lights were imported from various countries.

A Luxurious and

B expensive lights were

C imported from

D various countries.

E No error

Answer: B

Question 24

They were unhappy because the person who had a palace had no gold and the person who had gold had no palace.

A They were,unhappy because

B the person who had a palace

C had no gold and the person

D who had gold had no palace

E No error

Answer: E

Question 25

Despite his poor ×nancial condition, the auto-driver remained honest and hard work.

A despite his

B poor ×nancial condition,

C the auto-driver remained

D honest and hard work

E No error

Answer: D

Instructions

In the following passage, there are blanks, each of which has been numbered. Against each, ×ve words are suggested, one of which ×ts the blank appropriately. Find out the appropriate word in each case.
The night fell heavy in the heights of the mountains and one could not see anything. All was black and the moon and the stars were covered by clouds. As Tom was climbing only a few feet away from the top of the mountain, he ...1... and fell into the air, falling at great speed. He could only see black spots as he went down. He kept failing, when all of a ...2.. he felt the rope tied to his waist pull at him very hard. His body was hanging in the air. Only the rope was holding him and in that moment of stillness, he had no other ...3... but to scream, 'Help me God'. All of a sudden a deep voice coming from the sky answered. What did you want me to do ?' Save me God,' said Tom. Do you really think I can save you?' asked the voice. 'Of course you can,' ...4.... Tom. 'Then cut the rope tied to your waist,' said the voice. There was a moment of silence as Tom decided to hold on to the rope with 'all his ...5.... The rescue team said that the next day a climber was found and frozen, his body hanging from a rope, only one foot away from the ground.

Question 26

1

A stumble

B talked

C tried

D slapped

E caused

Answer: A

Question 27

2

A time

B instant

C sudden

D shock

E moment

Answer: C

Question 28

3

A option

B person

C want

D limitation

E body

Answer: A

Question 29

4

A asked

B questioned

C replied

D denied

E doubted

Answer: C

Question 30

5

A strength

B feet

C family

D reason

E portions

Answer: A

Quant

Instructions
For the following questions answer them individually

Question 31

The circumference of circle A is 75 m more than its diameter. If the radius of circle B is 3.5 m more than the radius of circle A, what is the circumference of circle B ?(in m)

A 110

B 140

C 163

D 96

E 132

Answer: E

Explanation:
Let radius of circle A = r m

Now, circumference of circle - diameter of circle = 75

Acc. to ques,

$\Rightarrow (2\pi r) - (2r) = 75$

$\Rightarrow 2r(\frac{22}{7} - 1) = 75$

$\Rightarrow 2r \times \frac{15}{7} = 75$

$\Rightarrow r = \frac{75 \times 7}{15 \times 2}$

$\Rightarrow r = \frac{35}{2} = 17.5\text{m}$

=> Radius of circle B = $17.5 + 3.5 = 21$ m

∴ Circumference of circle B

$= 2 \times \pi r = 2 \times \frac{22}{7} \times 21$

$= 44 \times 3 = 132$ m

Question 32

A shopkeeper sold an article at 20% discount and earned d profit of 4%. By what percent the marked price of the article more than the cost price of the article ?

A 20%

B 15%

C 40%

D 25%

E 30%

Answer: E

Explanation:

Let the cost price of each article = Rs. $100x$

=> Selling price = $\frac{104}{100} \times 100x = 104x$ ----------Eqn(1)

Let the marked price = Rs. $100y$

Selling price of article after 20% discount = $\frac{80}{100} \times 100y = 80y$ ----------Eqn(2)

Comparing eqns(1) & (2), we get :

$\Rightarrow 104x = 80y$

$\Rightarrow \frac{y}{x} = \frac{104}{80} = \frac{13}{10}$

∴ Required % by which marked price is more than the cost price

$= \frac{13-10}{10} \times 100 = 30\%$

Instructions

What will come in place of question mark (?) in the given number series ?

Question 33

89 86 78 63 39 ?

A 19

B 4

C 9

D 13

E 28

Answer: B

Explanation:
The pattern is :

$89 - (3) = 86$

$86 - (3 + 5) = 78$

$78 - (3 + 5 + 7) = 63$

$63 - (3 + 5 + 7 + 9) = 39$

$39 - (3 + 5 + 7 + 9 + 11) =$ **4**

Question 34

142 70 34 16 ? 2.5

A 5

B 7

C 3

D 12

E 8

Answer: B

Explanation:
Each number is divided by 2 and then 1 is subtracted

$142 \div 2 - 1 = 70$

$70 \div 2 - 1 = 34$

$34 \div 2 - 1 = 16$

$16 \div 2 - 1 =$ **7**

$7 \div 2 - 1 = 2.5$

Question 35

21 37 40.2 88.2 94.6 ?

A 211.6

B 224.5

C 192.3

D 174.6

E 182.8

Answer: D

Explanation:
Multiples of 16 are added. Odd multiples are added as it is whereas for even multiples, they are divided by 10

21 +16 × 1 = 37

37 +16 × 0.2 = 40.2

40.2 +16 × 3 = 88.2

88.2 +16 × 0.4 = 94.6

94.6 +16 × 5 = **174.6**

Question 36

17 9 10 16.5 35 ?

A 84

B 102.5

C 90

D 92.5

E 72

Answer: C

Explanation:
The pattern is :

17 ×0.5 + 0.5 = 9

9 ×1 + 1 = 10

10 ×1.5 + 1.5 = 16.5

16.5 ×2 + 2 = 35

35 ×2.5 + 2.5 = **90**

Question 37

0.75 ? 6 36 288 2880

A 3

B 1.5

C 2

D 4.5

E 5

Answer: B

Explanation:
Even numbers are multiplies

0.75 ×2 = **1.5**

1.5 ×4 = 6

6 ×6 = 36

36 ×8 = 288

288 ×10 = 2880

Instructions
For the following questions answer them individually

Question 38

Pihu and Rani start a business together by investing Rs.9 ,000/-and Rs.6,300/- respectively. After a certain period, Pihu withdrew from the business completely. If at the end of 2 years the total profit earned was Rs.13,050/- and Pihu's share was Rs.6,750/-, after how many months did Pihu withdraw from business ?

A 23 months

B 14 months

C 20 months

D 18 months

E 12 months

Answer: D

Explanation:
Total profit = Rs. 13,050

Pihu's share = Rs. 6,750

=> Rani's share = 13,050 - 6,750 = Rs. 6,300

Let Pihu withdrew after x months

=> Ratio of investments of Pihu and Rani

$= (9,000 \times x) : (6,300 \times 24)$

$= 5x : 84$

Acc to ques,

$\Rightarrow \frac{5x}{84} = \frac{6750}{6300}$

$\Rightarrow \frac{5x}{84} = \frac{15}{14}$

$\Rightarrow x = \frac{15}{14} \times \frac{84}{5}$

$\Rightarrow x = 3 \times 6 = 18$ months

Question 39

Jar A contains 'X' litre of pure milk only. A 27 litre mixture of milk and water in the respective ratio of 4 : 5, is added to jar A. The new mixture thus formed in jar A contains 70% milk, what is the value of X ?

A 23

B 30

C 27

D 48

E 28

Answer: A

Explanation:

Quantity of milk in 27 litre mixture = $\frac{4}{4+5} \times 27 = 12$ litre

Quantity of water = $27 - 12 = 15$ litre

Ratio of milk and water in the new mixture = $70 : 30 = 7 : 3$

Acc to ques,

$\Rightarrow \frac{X+12}{15} = \frac{7}{3}$

$\Rightarrow 3X + 36 = 15 \times 7 = 105$

$\Rightarrow 3X = 105 - 36 = 69$

$\Rightarrow X = \frac{69}{3} = 23$litre

Question 40

The speed of a boat in still water is 500% more than the speed of the current. What is the respective ratio between the speed of the boat downstream and speed of the boat upstream ?

A 9 : 2

B 7 : 3

C 7 : 5

D 9 : 4

E 4 : 3

Answer: C

Explanation:

Let speed of current = x km/h

=> Speed of boat in still water = $x + \left(\frac{500}{100} \times x\right)$

$= x + 5x = 6x$ km/h

=> Speed of the boat downstream = $6x + x = 7x$ km/h

Speed of boat upstream = $6x - x = 5x$ km/h

$\therefore$ Required ratio = $\frac{7x}{5x}$

$= 7 : 5$

Instructions

Study the table and answer the given questions. Number of employees in ×ve organisations during five years

Year Organisations	2003	2004	2005	2006	2007
A	69	55	56	59	65
B	93	100	79	101	120
C	95	89	85	75	70
D	88	109	100	99	95
E	80	132	147	164	112

Question 41

Number of employees in organisation E increased by what percent from 2003 to 2006 ?

A 105%

B 110%

C 115%

D 102%

E 125%

Answer: A

Explanation:
Number of employees in organisation E in 2003 = 80

Number of employees in organisation E in 2006 = 164

=> Required % increase = $\frac{164-80}{80} \times 100$

$= \frac{84}{4} \times 5 = 21 \times 5$

= 105%

Question 42

Number of employees in organisations B and C decreased by 5% and 10% respectively from 2007 to 2008. What was the total number of employees in organisations B and C together in 2008 ?

A 177

B 179

C 175

D 181

E 163

Answer: A

Explanation:
Number of employees in organisation B in 2007 = 120

=> Number of employees in organisation B in 2008 = $\frac{95}{100} \times 120$

= 114

Number of employees in organisation D in 2007 = 70

=> Number of employees in organisation D in 2008 = $\frac{90}{100} \times 70$

= 63

∴ Total number of employees in organisations B and C together in 2008

= 114 + 63 = 177

Question 43

What is the difference between total number of employees in organisation A in 2003 and 2004 together and that in organisation D in the same years together ?

A 77

B 79

C 73

D 83

E 67

Answer: C

Explanation:
Total number of employees in organisation A in 2003 and 2004 together

= 69 + 55 = 124

Total number of employees in organisation D in 2003 and 2004 together

= 88 + 109 = 197

=> Required difference = 197 - 124 = 73

Question 44

What is the respective ratio between total number of employees in organisations B and C together in 2004 and total number of employees in organisations D and E together in 2007 ?

A 21 : 22

B 23 : 29

C 23 : 27

D 21 : 25

E 21 : 23

Answer: E

Explanation:
Total number of employees in organisations B and C together in 2004

= 100 + 89 = 189

Total number of employees in organisations D and E together in 2007

= 95 + 112 = 207

=> Required ratio = 189 : 207 = 21 : 23

Question 45

What is the average number of employees in organisations A, B and E in 2005 ?

A 98

B 96

C 92

D 88

E 94

Answer: E

Explanation:
Number of employees in organisations A, B and E in 2005

= 56 + 79 + 147 = 282

=> Required average = $\frac{282}{3}$

= 94

Instructions
For the following questions answer them individually

Question 46

The average runs of a cricketer in a tournament, in which he played 14 matches, are 47. His average runs in the first seven matches are 57 and that in the last five matches are 44. If the runs made by him in 8th match are 15, how many runs did he make in 9th match ?

A 24

B 32

C 26

D 22

E 28

Answer: A

Explanation:
Total runs in 14 matches = 14 * 47 = 658

Total runs in the first 7 matches = 7 * 57 = 399

Total runs in the last 5 matches = 5 * 44 = 220

Runs made in the 8th match = 15

=> Runs made in the 9th match = 658 - (399 + 220 + 15)

= 658 - 634 = 24

Question 47

An equal amount of sum, Rs. P is invested in scheme A and scheme B. Both the schemes A and B offer simple interest at the rate of 12% and 9% respectively. If at the end of two years total amount received from both the schemes together was Rs. 21,780/-, what is the value of P ?

A Rs.9,000/-

B Rs.9,600/-

C Rs.12,000/-

D Rs.8,400/-

E Rs.8,000/-

Answer: A

Explanation:

Amount in scheme A at 12% S.I.

$= \frac{P \times 12 \times 2}{100} + P$

$= \frac{24P}{100} + P = \frac{124P}{100}$

Amount in scheme B at 9% S.I.

$= \frac{P \times 9 \times 2}{100} + P$

$= \frac{18P}{100} + P = \frac{118P}{100}$

Acc to ques,

$\Rightarrow \frac{124P}{100} + \frac{118P}{100} = 21,780$

$\Rightarrow 242P = 21,780 \times 100$

$\Rightarrow P = \frac{21,78,000}{242}$

$\Rightarrow P = Rs.9,000$

Instructions

What will come in place of question mark (?) in the given questions ?

Question 48

5/9 × (225.40-45.4)= $?^2$

A 15

B 5

C 100

D 25

E 10

Answer: E

Explanation:

Expression : 5/9 × (225.40-45.4)= $?^2$

=> $\frac{5}{9} \times 180 = (x)^2$

=> $5 \times 20 = (x)^2$

=> $(x)^2 = 100$

=> $x = \sqrt{100} = 10$

Question 49

800 ÷ 24 × ? = 600

A 16

B 12

C 18

D 14

E 24

Answer: C

Explanation:

Expression : 800 ÷ 24 × ? = 600

=> $\frac{800}{24} \times x = 600$

=> $\frac{100x}{3} = 600$

=> $x = \frac{600 \times 3}{100}$

=> $x = 6 \times 3 = 18$

Question 50

57 - 1725 ÷ 69 = 4 × ?

A 9

B 11

C 13

D 7

E 8

Answer: E

Explanation:

Expression : 57 - 1725 ÷ 69 = 4 × ?

$\Rightarrow 57 - \frac{1725}{69} = 4 \times x$

$\Rightarrow 57 - 25 = 4 \times x$

$\Rightarrow 4x = 32$

$\Rightarrow x = \frac{32}{4} = 8$

Question 51

$\sqrt{784} \times 3 - ? = 58$

A 26

B 24

C 22

D 28

E 25

Answer: A

Explanation:

Expression : $\sqrt{784} \times 3 - ? = 58$

$\Rightarrow (28 \times 3) - x = 58$

$\Rightarrow 84 - x = 58$

$\Rightarrow x = 84 - 58 = 26$

Question 52

$\sqrt{\frac{160 \times 8}{5}} \times 8 = ?$

A 112

B 164

C 128

D 116

E 136

Answer: C

Explanation:

Expression : $\sqrt{\frac{160\times8}{5}} \times 8 = ?$

$= \sqrt{32 \times 8 \times 8}$

$= \sqrt{16 \times 16 \times 8}$

$= 16 \times 8 = 128$

Question 53

$\sqrt{?} + 19 = \sqrt{1225}$

A 15

B 225

C 16

D 256

E 289

Answer: D

Explanation:

Expression : $\sqrt{?} + 19 = \sqrt{1225}$

$\Rightarrow \sqrt{x} + 19 = 35$

$\Rightarrow \sqrt{x} = 35 - 19 = 16$

$\Rightarrow x = (16)^2 = 256$

Question 54

$\frac{2.6\times3+1.8\times9}{6} = ?$

A 6

B 6.4

C 8

D 4.2

E 4

Answer: E

Explanation:

Expression : $\frac{2.6\times3+1.8\times9}{6} = ?$

$= (\frac{2.6\times3}{6}) + (\frac{1.8\times9}{6})$

$= (1.3 \times 1) + (0.9 \times 3)$

$= 1.3 + 2.7 = 4$

Question 55

50% of $(3\frac{3}{8} + 1\frac{7}{10}) = ?$

A 3.1

B 2.53

C 2

D 2.48

E 3.6

Answer: B

Explanation:

Expression : 50% of $(3\frac{3}{8} + 1\frac{7}{10}) = ?$

$= \frac{50}{100} \times (\frac{27}{8} + \frac{17}{10})$

$= \frac{1}{2} \times (\frac{135+68}{40})$

$= \frac{1}{2} \times \frac{203}{40}$

$= \frac{203}{80} = 2.53$

Question 56

$\sqrt{729} \div 45 \times 540 = ?^2$

A 18

B 324

C 14

D 144

E 196

Answer: A

Explanation:

Expression : $\sqrt{729} \div 45 \times 540 = ?^2$

$\Rightarrow 27 \times \frac{1}{45} \times 540 = (x)^2$

$\Rightarrow 27 \times 12 = (x)^2$

$\Rightarrow (x)^2 = 324$

$\Rightarrow x = \sqrt{324} = 18$

Question 57

$8\frac{1}{4} \times 2\frac{2}{5} \times ? = 12$

A 20/33

B 2/5

C 1/3

D 3/5

E 4/5

Answer: A

Explanation:

Expression : $8\frac{1}{4} \times 2\frac{2}{5} \times ? = 12$

$\Rightarrow \frac{33}{4} \times \frac{12}{5} \times x = 12$

$\Rightarrow \frac{33 \times 3}{5} \times x = 12$

$\Rightarrow x = \frac{12 \times 5}{33 \times 3}$

$\Rightarrow x = \frac{20}{33}$

Instructions

For the following questions answer them individually

Question 58

The simple interest at the rate of 6% p.a. received on a principal of Rs. X was RS.482.40 when invested for 3 years in scheme A. If scheme B offered compound interest compounded annually at 10% p.a., what was the interest received by investing Rs. (X-680) for 2 years in scheme B ?

A Rs. 420/-

B Rs. 490/-

C Rs. 720/-

D Rs. 540/-

E Rs. 650/-

Answer: A

Explanation:

Interest earned when a sum of Rs. X was invested for 3 years in scheme A at 6% S.I.

$\Rightarrow \frac{X \times 6 \times 3}{100} = 482.40$

$\Rightarrow X = \frac{482.40 \times 100}{18} = 2,680$

=> Amount invested in scheme B = $2,680 - 680 = 2,000$

Interest received when Rs. 2,000 was invested for 2 years in scheme B at 10% C.I.

$= 2,000[(1 + \frac{10}{100})^2 - 1]$

$= 2,000[(\frac{11}{10})^2 - 1] = 2,000[(\frac{121}{100}) - 1]$

$= 2,000 \times \frac{21}{100}$

$= 20 \times 21 =$ Rs. 420

Question 59

Mary paid 15% of her monthly salary towards an EMI. From the remaining salary. she paid 10% as Internet bill and 20% as rent. If after the mentioned expenses she was left with Rs. 24,990 /-, what was Mary's monthly salary ?

A Rs.45,000/-

B Rs.48,000/-

C Rs.42,000-

D Rs.36,000/-

E Rs.40,000 /-

Answer: C

Explanation:

Let Mary's monthly salary = Rs. $100x$

Money spent on EMI = $\frac{15}{100} \times 100x = 15x$

Amount left = $100x - 15x = 85x$

% amount left after paying internet bill and rent = $100 - (10 + 20) = 70\%$

=> Amount left = $\frac{70}{100} \times 85x = 24,990$

$\Rightarrow \frac{7\times17x}{2} = 24,990$

$\Rightarrow x = \frac{24,990\times2}{7\times17}$

$\Rightarrow x = 210 \times 2 = 420$

$\therefore$ Mary's monthly salary = 100×42 = Rs. 42, 000

Question 60

The sum of four consecutive even numbers is 107 more than the sum of three consecutive odd numbers. If the sum of smallest odd number and the smallest even number is 55. What is the smallest even number ?

A 36

B 40

C 32

D 38

E 39

Answer: D

Explanation:

Let the four consecutive even numbers are = $x, (x + 2), (x + 4), (x + 6)$

and three consecutive odd numbers = $y, (y + 2), (y + 4)$

Acc to ques,

$\Rightarrow x + y = 55$ ----------Eqn(1)

and $[(x) + (x + 2) + (x + 4) + (x + 6)] - [(y) + (y + 2) + (y + 4)] = 107$

$\Rightarrow (4x + 12) - (3y + 6) = 107$

$\Rightarrow 4x - 3y = 107 - 6 = 101$ ----------Eqn(2)

Multiplying eqn(1) by 3 and add it to eqn(2), we get :

$\Rightarrow 3x + 4x = 55 \times 3 + 101$

$\Rightarrow 7x = 165 + 101 = 266$

$\Rightarrow x = \frac{266}{7} = 38$

Question 61

A, B and C. each working alone, can finish a piece of work in 27, 33 and 45 days respectively. A starts by working alone for 12 days, then B takes over from A and works for 11 days. At this stage C takes over from B and completes the remaining work. In how many days the whole work was completed ?

A 33

B 31

C 39

D 35

E 37

Answer: A

Explanation:
A's 1 day's work = $\frac{1}{27}$

=> A's 12 days work = $\frac{1}{27} \times 12 = \frac{4}{9}$

Remaining work = $1 - \frac{4}{9} = \frac{5}{9}$

Similarly, B's 11 days work = $\frac{1}{33} \times 11 = \frac{1}{3}$

Remaining work = $\frac{5}{9} - \frac{1}{3} = \frac{2}{9}$

Now, days taken by C to complete the work = 45 days

=> Days taken to complete $\frac{2}{9}$th of the work = $\frac{2}{9} \times 45 = 10$ days

∴ Days in which the whole work is completed = 12 + 11 + 10 = 33 days

Question 62

A rectangular garden of length 12m is surrounded by a 2m wide path. If the area of the garden is 84 m² and the cost of gravelling is Rs.8 per m², what is the total cost of gravelling the path ?(in Rs.)

A Rs.780/-

B Rs.742/-

C Rs.724/-

D Rs.775/-

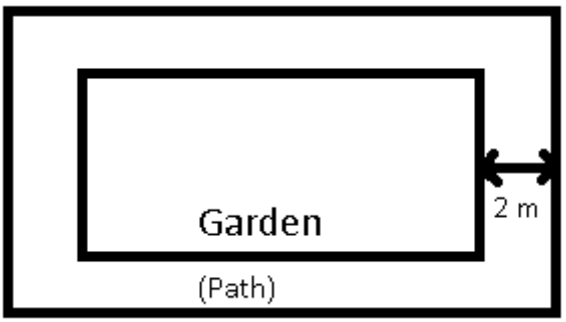
E Rs.736/-

Answer: E

Explanation:
Length of rectangular garden = 12 m

Area of garden = $12 \times b = 84$

=> $b = \frac{84}{12} = 7$m



Length of rectangular garden including path = $12 + 2 + 2 = 16$ m

Breadth of rectangular garden including path = $7 + 2 + 2 = 11$ m

Area of rectangular garden including path = $16 \times 11 = 176m^2$

=> Area of path = $176 - 84 = 92m^2$

∴ Costt of gravelling the path = 92×8

= Rs. 736

Question 63

Train A, travelling at 'S' m/sec, can cross a platform double its length in 21 sec. The same train, travelling at (S + 5) m/sec, can cross the same platform in 18 sec. What is the value of 'S'?

A 27.5 m/s

B 32.5 m/s

C 30 m/s

D 35 m/s

E 25 m/s

Answer: C

Explanation:

Let length of train = x m

=> Length of platform = $2x$ m

Using, $time = \frac{distance}{speed}$

While travelling at s m/s, time taken

=> $\frac{x+2x}{s} = 21$

=> $x = 7s$ ----------Eqn(1)

Also, $\frac{x+2x}{s+5} = 18$

=> $3x = 18(s + 5)$

Using eqn(1), we get :

$\Rightarrow 3 \times 7s = 18s + 90$

$\Rightarrow 21s - 18s = 3s = 90$

$\Rightarrow s = \frac{90}{3} = 30\text{m/s}$

Question 64

The present age of Charu is 2.5 times the present age of Harsh. Had Harsh been two years younger and Charu been 13 years older, Charu's age would have been 3.5 times Harsh's age. What is Harsh's present age ?

A 48 years

B 25 years

C 20 years

D 28 years

E 36 years

Answer: C

Explanation:

Let present age of Harsh = x years

=> Present age of Charu = $2.5x$ years

Acc to ques,

$\Rightarrow 2.5x + 13 = 3.5(x - 2)$

$\Rightarrow 2.5x + 13 = 3.5x - 7$

$\Rightarrow 3.5x - 2.5x = 13 + 7$

$\Rightarrow x = 20$ years

Question 65

27 is divided into two parts such that 5 times the ×rst part added to 11 times the second part makes 195. Then respective ratio between ×rst and second part is :

A 17 : 10

B 3 : 2

C 2 : 7

D 5 : 4

E 5 : 2

Answer: A

Explanation:
REASON I N G

Reasoning

Instructions
For the following questions answer them individually

Question 66

Among five friends - O, P, Q, R and S, each scored different marks in an examination. P scored more than R and Q but less than O. O did not score the highest marks and did not score the lowest marks. Who amongst the following scored the third highest?

A Cannot be determined

B S

C P

D Q

E O

Answer: C

Explanation:
P scored more than R and Q but less than O, => O > P > R , Q

O did not score the highest marks, => S definitely scored more marks than O.

∴ S > O > P > R , Q

Thus, the third highest scorer is P.

=> Ans - (C)

Instructions

Study the following information carefully and answer the given questions.

E, F, G, H, I, J, k and L are sitting around a circular table facing the center but not necessarily in the same order. Only three people sit between K and L. Only two people sit between L and H. Only three people sit between H and G. J sits second to the right of H. I is one of the immediate neighbour of H. F is neither an immediate neighbour of K nor G.

Question 67

Which amongst the following statement is true regarding F as per the given arrangement?

A None of the given statement is true

B K is one of the immediate neighbour of F

C F sits second to the left of H

D F sits third to the right of J

E Only three people sit between F and E

Answer: C

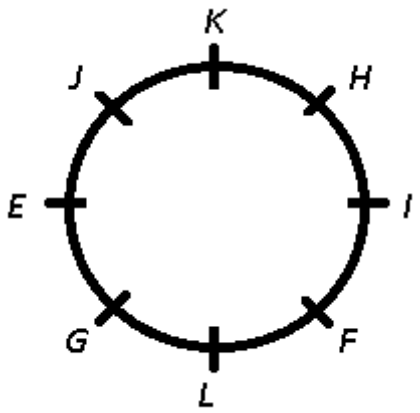
Explanation:
Only three people sit between K and L, => K and L sit opposite each other.

Only two people sit between L and H, => let H sits third to the right of L.

Only three people sit between H and G, => H and G sit opposite each other.

J sits second to the right of H and I is one of the immediate neighbour of H, => I sits to the immediate left of H.

F is neither an immediate neighbour of K nor G, => F sits to the immediate right of L.



The only true statement is that F sits second to the left of H.

=> Ans - (C)

Question 68

If all the persons are made to sit in alphabetical order in clockwise direction, starting from E, the positions of how many, excluding E, would remain unchanged ?

A Three

B Four

C One

D Two

E None

Answer: D

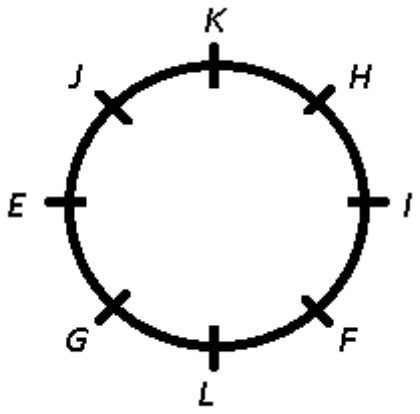
Explanation:
Only three people sit between K and L, => K and L sit opposite each other.

Only two people sit between L and H, => let H sits third to the right of L.

Only three people sit between H and G, => H and G sit opposite each other.

J sits second to the right of H and I is one of the immediate neighbour of H, => I sits to the immediate left of H.

F is neither an immediate neighbour of K nor G, => F sits to the immediate right of L.



If all the persons are made to sit in alphabetical order in clockwise direction, starting from E, the positions of **H and I** would remain unchanged.

=> Ans - (D)

Question 69

Four of the following five are alike in a certain way based on their positions in the given arrangement and so form a group. Which is the one that does not belong to the group ?

A JHG

B KIE

C GJL

D HFJ

E ILK

Answer: C

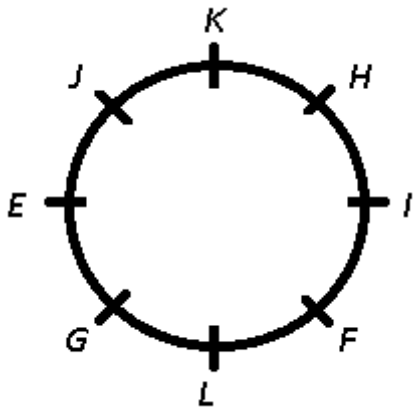
Explanation:
Only three people sit between K and L, => K and L sit opposite each other.

Only two people sit between L and H, => let H sits third to the right of L.

Only three people sit between H and G, => H and G sit opposite each other.

J sits second to the right of H and I is one of the immediate neighbour of H, => I sits to the immediate left of H.

F is neither an immediate neighbour of K nor G, => F sits to the immediate right of L.



In each group, the first person is between the other two with a gap of one person between them, except for G, J and L.

=> Ans - (C)

Question 70

Who among the following sits to the immediate left of L ?

A H

B G

C I

D F

E J

Answer: B

Explanation:

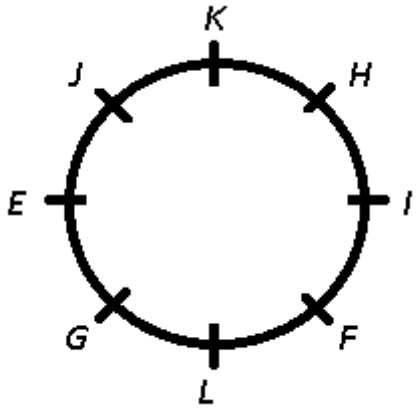
Only three people sit between K and L, => K and L sit opposite each other.

Only two people sit between L and H, => let H sits third to the right of L.

Only three people sit between H and G, => H and G sit opposite each other.

J sits second to the right of H and I is one of the immediate neighbour of H, => I sits to the immediate left of H.

F is neither an immediate neighbour of K nor G, => F sits to the immediate right of L.



G sits to the immediate left of L.

=> Ans - (B)

Question 71

What is the position of H with respect to E ?

A Second to the left

B Second to the right

C To the immediate right

D Third to the left

E Third to the right

Answer: D

Explanation:

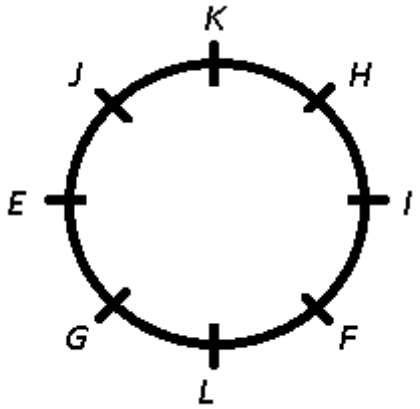
Only three people sit between K and L, => K and L sit opposite each other.

Only two people sit between L and H, => let H sits third to the right of L.

Only three people sit between H and G, => H and G sit opposite each other.

J sits second to the right of H and I is one of the immediate neighbour of H, => I sits to the immediate left of H.

F is neither an immediate neighbour of K nor G, => F sits to the immediate right of L.



H sits 3rd to the left of E.

=> Ans - (D)

Instructions
For the following questions answer them individually

Question 72

In a certain code language, 'CLUB' is coded as 'FKTE' and `THEN' is coded as 'WGDQ'. In the same code language, 'ARID' will be coded as.....

A DQHG

B TQHG

C YQKE

D DULC

E DQLC

Answer: A

Explanation:
'CLUB' is coded as 'FKTE'

C	L	U	B
(+3)	(-1)	(-1)	(+3)
F	K	T	E

Also, `THEN' is coded as 'WGDQ'

T	H	E	N
(+3)	(-1)	(-1)	(+3)
W	G	D	Q

Similarly, code for ARID :

A	R	I	D
(+3)	(-1)	(-1)	(+3)
D	Q	H	G

=> Ans - (A)

Question 73

In a certain code, 'a fast train' is coded as '1 5 8' and 'train to Mumbai' is coded as '9 3 1', then what is the code for train in the given code language ?

A 8

B 3

C 5

D 1

E Either '3' or '9'

Answer: D

Explanation:
The common word in both the statements is 'train' and the common code is = 1

Thus, train is coded as = 1

=> Ans - (D)

Instructions

Study the following information and answer the questions.
Seven people, namely J, K, L, M, N, O and P watch seven different channels.on seven different days of the same week starting from Monday and ending on Sunday, not necessarily in the same order. K watches a channel on Saturday. More than two people watch a channel between K and N. Only one person watches a channel between N and L. J watches a channel on one of the days before L but not on Wednesday. As many people watch a channel between L and P as between J and L. 0 watches a channel immediately after P.

Question 74

On which of the following days does M watch a channel?

A Friday

B Monday

C Sunday

D Wednesday

E Tuesday

Answer: C

Explanation:

K watches a channel on Saturday and more than two people watch a channel between K and N, => N watches the channel either on Monday or Tuesday.

Let N watches the channel on Monday.

Only one person watches a channel between N and L, => L watches channel on Wednesday.

J watches a channel on one of the days before L but not on Wednesday, => J watches channel on Tuesday.

As many people watch a channel between L and P as between J and L, => P watches immediately after L i.e., Thursday

O watches a channel immediately after P, => O watches on Friday and M on Sunday.

Days	Person
Monday	N
Tuesday	J
Wednesday	L
Thursday	P
Friday	O
Saturday	K
Sunday	M

M watches channel on Sunday.

=> Ans - (C)

Question 75

Which of the following pairs represents the persons who watch a channel immediately before and immediately after K ?

A J, P

B M , J

C L , O

D P, L

E O, M

Answer: E

Explanation:
K watches a channel on Saturday and more than two people watch a channel between K and N, => N watches the channel either on Monday or Tuesday.

Let N watches the channel on Monday.

Only one person watches a channel between N and L, => L watches channel on Wednesday.

J watches a channel on one of the days before L but not on Wednesday, => J watches channel on Tuesday.

As many people watch a channel between L and P as between J and L, => P watches immediately after L i.e., Thursday

O watches a channel immediately after P, => O watches on Friday and M on Sunday.

Days	Person
Monday	N
Tuesday	J
Wednesday	L
Thursday	P
Friday	O
Saturday	K
Sunday	M

O and M are the persons that watch the channels immediately before and immediately after K respectively.

=> Ans - (E)

Question 76

Which of the following statement is not true as per the given arrangement?

A All the given statements are true

B Only two people watch a channel after O

C Only two people watch a channel between M and P

D N watches a channel immediately before J

E L watches a channel on Wednesday

Answer: A

Explanation:
K watches a channel on Saturday and more than two people watch a channel between K and N, => N watches the channel either on Monday or Tuesday.

Let N watches the channel on Monday.

Only one person watches a channel between N and L, => L watches channel on Wednesday.

J watches a channel on one of the days before L but not on Wednesday, => J watches channel on Tuesday.

As many people watch a channel between L and P as between J and L, => P watches immediately after L i.e., Thursday

O watches a channel immediately after P, => O watches on Friday and M on Sunday.

Days	Person
Monday	N
Tuesday	J
Wednesday	L
Thursday	P
Friday	O
Saturday	K
Sunday	M

Clearly, all the statements above are true.

=> Ans - (A)

Question 77

Who amongst the following watches a channel on Thursday ?

A M

B J

C L

D O

E P

Answer: E

Explanation:
K watches a channel on Saturday and more than two people watch a channel between K and N, => N watches the channel either on Monday or Tuesday.

Let N watches the channel on Monday.

Only one person watches a channel between N and L, => L watches channel on Wednesday.

J watches a channel on one of the days before L but not on Wednesday, => J watches channel on Tuesday.

As many people watch a channel between L and P as between J and L, => P watches immediately after L i.e., Thursday

O watches a channel immediately after P, => O watches on Friday and M on Sunday.

Days	Person
Monday	N
Tuesday	J
Wednesday	L
Thursday	P
Friday	O
Saturday	K
Sunday	M

P watches the channel on Thursday.

=> Ans - (E)

Question 78

Four of the following five are alike in a certain way and thus form a group as per the given arrangement. Which of the following does not belong to that group ?

A OP

B NJ

C LP

D MK

E JK

Answer: E

Explanation:
K watches a channel on Saturday and more than two people watch a channel between K and N, => N watches the channel either on Monday or Tuesday.

Let N watches the channel on Monday.

Only one person watches a channel between N and L, => L watches channel on Wednesday.

J watches a channel on one of the days before L but not on Wednesday, => J watches channel on Tuesday.

As many people watch a channel between L and P as between J and L, => P watches immediately after L i.e., Thursday

O watches a channel immediately after P, => O watches on Friday and M on Sunday.

Days	Person
Monday	N
Tuesday	J
Wednesday	L
Thursday	P
Friday	O
Saturday	K
Sunday	M

Apart from J & K, all the pairs mentioned watch the channel on consecutive days.

=> Ans - (E)

Instructions
For the following questions answer them individually

Question 79

If three is added to each even digit and three is subtracted from each odd digit in the number 254673 and then in the new number thus formed all the digits are arranged in descending order, which of the following will be third from the right?

A 0

B 2

C 9

D 4

E 7

Answer: D

Explanation:
Number = '254673'

If 3 is added to each even digit and 3 is subtracted from each odd digit,

New number = 527490

Arranging the digits in descending order,

=> Number = 975420

∴ 3rd digit from right = 4

=> Ans - (D)

Instructions

In these questions, relationship between different elements is shown in the statements. The statements are followed by conclusions. Study the conclusions based on the given statements and select the appropriate answer. Give answer :
a: If only conclusion I is true
b: If only conclusion II is true
c: If either conclusion I or II is true
d: If neither conclusion I nor II is ture
e: If both conclusions I and II are true

Question 80

Statement:
$F \leq L < U = K \geq E$
Conclusions :
I. $U \geq F$
II. $F < K$

A If only conclusion I is true

B If only conclusion II is true

C If either conclusion I or II is true

D If neither conclusion I nor II is ture

E If both conclusions I and II are true

Answer: B

Question 81

Statements :
$B \geq O \geq N < K \leq R; N \geq F$
Conclusions :
I. $O < R$
II. $F \leq B$

A If only conclusion I is true

B If only conclusion II is true

C If either conclusion I or II is true

D If neither conclusion I nor II is ture

E If both conclusions I and II are true

Answer: B

Question 82

Statement:
$C \leq D = E > F \geq G$
Conclusions :
I. $C \leq F$
II. $G \geq D$

A If only conclusion I is true

B If only conclusion II is true

C If either conclusion I or II is true

D If neither conclusion I nor II is ture

E If both conclusions I and II are true

Answer: D

Question 83

Statements :
$L > A \geq M > P$; $R \leq A \leq N$
Conclusions :
I. $M \leq N$
II. $P > R$

A If only conclusion I is true

B If only conclusion II is true

C If either conclusion I or II is true

D If neither conclusion I nor II is ture

E If both conclusions I and II are true

Answer: A

Question 84

Statement:
$P \leq Q \leq R = S < T$
Conclusions :
I. $P = T$
II. $P < T$

A If only conclusion I is true

B If only conclusion II is true

C If either conclusion I or II is true

D If neither conclusion I nor II is ture

E If both conclusions I and II are true

Answer: B

Instructions
For the following questions answer them individually

Question 85

How many such pairs of letters are there in the word 'TEACH' each of which has as many letters between them in the word (in both forward and backward directions) as they have between them in the English alphabetical series ?

A More than three

B None

C Two

D Three

E One

Answer: C

Explanation:
Word - 'TEACH'

There are 2 pairs of letters which have as many letters between them in the word as they have between them in the English alphabetical series

= (E,C) , (E,H)

=> Ans - (C)

Instructions

Study the following arrangement carefully and answer the questions.

Y B @ 3 E P * $ 5 T C Z J 4 L 7 R K 8 V ^ F X Q U π M 6 G N % 0

Question 86

Four of the following five are alike in a certain way based on their positions in the given arrangement and hence form a group. Which one does not belong to that group ?

A $5*

B 6GM

C ZJC

D 7RL

E BY@

Answer: E

Explanation:
In the given options, the middle letter is to the immediate right of first letter, but this pattern is not followed in the last option.

Y B @ 3 E P * $ 5 T C Z J 4 L 7 R K 8 V ^ F X Q U π M 6 G N % 0

Thus, BY@ is the odd one out.

=> Ans - (E)

Question 87

How many alphabets are there in the English alphabetical series between the sixth element from the left end and the sixth element from the right end of the given arrangement?

A None

B Two

C One

D Three

E More than three

Answer: B

Explanation:
Series : Y B @ 3 E P * $ 5 T C Z J 4 L 7 R K 8 V ^ F X Q U π M 6 G N % 0

6th element from left end = P

6th element from right end = M

The question asks for the number of alphabets between M and P in the **English Alphabetical series**, not in the given series.

Thus, there are 2 alphabets between M and P in the English alphabetical series.

=> Ans - (B)

Question 88

Which one of the following will come next in the given sequence ?
YE3 @*P E5$ *CT ?

A CL4

B T4J

C 54J

D C4Z

E 5JZ

Answer: E

Explanation:
Series : Y B @ 3 E P * $ 5 T C Z J 4 L 7 R K 8 V ^ F X Q U π M 6 G N % 0

Pattern : YE3 @*P E5$ *CT ?

In each term of the pattern, we have :

1st term : Y (+2 positions) = @ (+2 positions) = E (+2 positions) = * (+2 positions) = 5

2nd term : E (+2 positions) = * (+2 positions) = 5 (+2 positions) = C (+2 positions) = J

3rd term : 3 (+2 positions) = P (+2 positions) = $ (+2 positions) = T (+2 positions) = Z

Thus, missing term = **5JZ**

=> Ans - (E)

Question 89

If all the symbols are deleted from the given arrangement then which of the following will be the ninth element from the right end ?

A F

B K

C V

D 8

E 7

Answer: A

Explanation:
Series : Y B @ 3 E P * $ 5 T C Z J 4 L 7 R K 8 V ^ F X Q U π M 6 G N % 0

If all the symbols are deleted from the given arrangement then, new series =

Y B 3 E P 5 T C Z J 4 L 7 R K 8 V F X Q U M 6 G N 0

9th element from right end = F

=> Ans - (A)

Question 90

How many such alphabets are there in the given arrangement each of which is immediately preceded by a number as well as immediately followed by a symbol?

A None

B Three

C More than three

D Two

E One

Answer: E

Explanation:
Series : Y B @ 3 E P * $ 5 T C Z J 4 L 7 R K 8 V ^ F X Q U π M 6 G N % 0

Alphabets which are immediately preceded by a number as well as immediately followed by a symbol

Thus, we need to find a sequence with : (number) (alphabet) (symbol)

There is only 1 such sequence = V ^ F

=> Ans - (E)

Instructions

Study the given information carefully to answer the given questions.
Marcus, who is standing at Point D, walks 11m towards south and reaches Point E. He then takes a left turn and walks 7m. He then takes a left turn, walks 5 m and reaches Point F. Point R is 18m to the east of Point F. Point S is 6m to the north of Point R.

Question 91

In which direction is Point R with respect to Point D ?

A South-west

B East

C West

D North

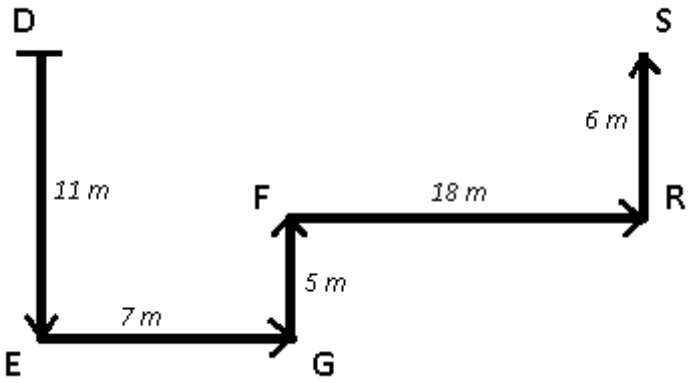
E South-east

Answer: E

Explanation:
Point E is 11 m to the south of point D.

Marcus then takes left turn and walks for 7 m and reaches G.

Point F is 5 m to the north of G and R is 18 m to the east of F. Also, point S is 6m to the north of point R.



Point R is in south east direction with respect to point D.

=> Ans - (E)

Question 92

How far and in which direction is Point S with respect to Point D ?

A 11m towards east

B 11m towards west

C 17m towards west

D 17m towards east

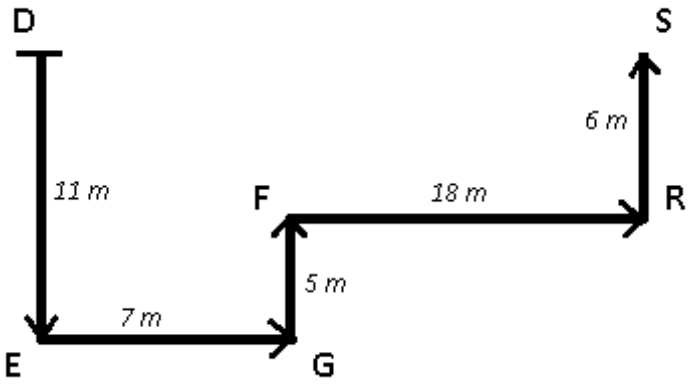
E 25m towards east

Answer: E

Explanation:
Point E is 11 m to the south of point D.

Marcus then takes left turn and walks for 7 m and reaches G.

Point F is 5 m to the north of G and R is 18 m to the east of F. Also, point S is 6m to the north of point R.



Point S is in east direction with respect to point D.

Distance = 7 + 18 = 25 m

=> Ans - (E)

Instructions

Study the following information and answer the given questions.
S is the father of R. R is the only son of U. U is the daughter of J. J has only two children. K is the son of J.

Question 93

If X is the granddaughter of J, then how is U related to X ?

A Sister

B Mother-in-law

C Grandfather

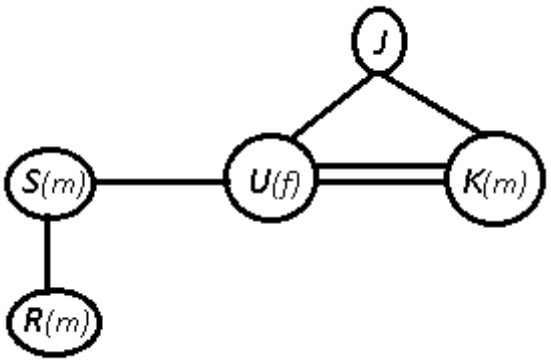
D Sister-in-law

E Cannot be determined

Answer: E

Explanation:
S is the father of R. R is the only son of U, => U is the wife of S.

U is the daughter of J. J has only two children. K is the son of J, => K is the brother of U.



If X is the granddaughter of J, then X can be the daughter of either U or K, thus U can be either mother or aunt of X, hence relation cannot be determined.

=> Ans - (E)

Question 94

How is S related to K ?

A Brother

B Brother-in-law

C Cousin

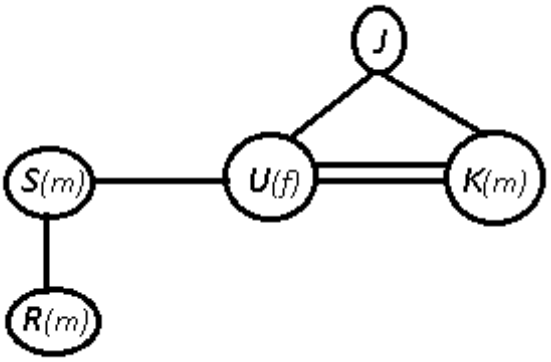
D Father

E Uncle

Answer: B

Explanation:
S is the father of R. R is the only son of U, => U is the wife of S.

U is the daughter of J. J has only two children. K is the son of J, => K is the brother of U.



S is the husband of K's sister, => S is the brother-in-law of K.

=> Ans - (B)

Question 95

How is R related to J ?

A Grandfather

B Son

C Nephew

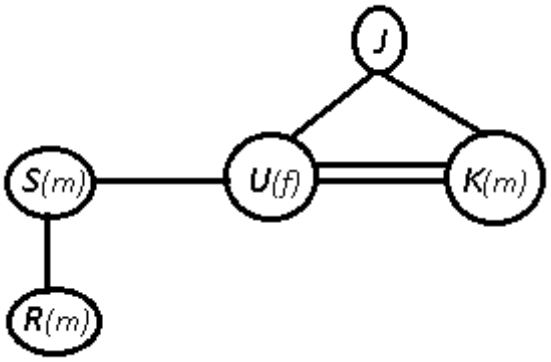
D Grandson

E Son-in-law

Answer: D

Explanation:
S is the father of R. R is the only son of U, => U is the wife of S.

U is the daughter of J. J has only two children. K is the son of J, => K is the brother of U.



R is the son of J's daughter, => R is the grandson of J.

=> Ans - (D)

Instructions

The following questions are based on the given 3-digit numbers.
821 547 452 935 368

Question 96

The product of the second and the third digit in which of the following numbers is the second highest?

A 547

B 935

C 368

D 452

E 821

Answer: A

Explanation:
Series : 821 547 452 935 368

Product of 2nd and 3rd digit :

821 = $2 \times 1 = 2$

547 = $4 \times 7 = 28$ (2nd highest)

452 = $5 \times 2 = 10$

935 = $3 \times 5 = 15$

368 = $6 \times 8 = 48$

=> Ans - (A)

Question 97

The difference of the first and the second digits in how many of the given numbers is greater than the third digit of the same number ?

A Two

B Three

C More than three

D One

E None

Answer: A

Explanation:
Series : 821 547 452 935 368

Difference of first and second digits

821 = $8 - 2 = 6 > 1$

547 = $5 - 4 = 1 < 7$

452 = $5 - 4 = 1 < 2$

935 = $9 - 3 = 6 > 5$

368 = $6 - 3 = 3 < 8$

Thus, in 2 numbers, difference between the first two digits is greater than the third digit.

=> Ans - (A)

Question 98

If all the digits of the given numbers are arranged in ascending order within the numbers, what will be the sum of the second and third digits of the second highest number thus formed ?

A 12

B 10

C 15

D 9

E 14

Answer: E

Explanation:
Series : 821 547 452 935 368

If all the digits of the given numbers are arranged in ascending order within the numbers, new series

= 128 , 457 , 245 , 359 , 368

Sum of the second and third digits of the second highest number = 368 = $6 + 8 = 14$

=> Ans - (E)

Question 99

If the first digit and the third digit of all the given numbers are interchanged, which of the following will become the second lowest number after performing the said operation ?

A 452

B 547

C 935

D 368

E 821

Answer: A

Explanation:
Series : 821 547 452 935 368

If the first digit and the third digit of all the given numbers are interchanged, then new numbers

= 128 , 745 , 254 , 539 , 863

Thus, second lowest number = $254 \equiv 452$

=> Ans - (A)

Question 100

If '2' is added to the second digit of all even numbers and '3' is subtracted from the first digit of all odd numbers, in how many numbers thus formed will a digit appear twice ?

A None

B Three

C More than three

D Two

E One

Answer: E

Explanation:
Series : 821 547 452 935 368

If '2' is added to the second digit of all even numbers and '3' is subtracted from the first digit of all odd numbers, new numbers :

821 -> 521

547 -> 247

452 -> 472

935 -> 635

368 -> 388

Thus, only in the last number, 8 appears twice.

=> Ans - (E)