

Aptitude Questions for SAMSUNG

A boat takes 90 minutes less to travel 36 miles downstream than to travel the same distance upstream. If the speed of the boat in still water is 10 mph, the speed of the stream is:

A : 2 mph B: 2.5 mph C: 3 mph D: 4 mph A

Question In a group of 6 boys and 4 girls, four children are to be selected. In how many different ways can they be selected such that at least one boy should be there?

A : 159

B : 194

C : 205

D : 209

Answer:
D

Q. No. : 3

Question Two trains are running in opposite directions with the same speed. If the length of each train is 120 metres and they cross each other in 12 seconds, then the speed of each train (in km/hr) is:

A : 10

B : 18

C : 36

D : 72

Answer: C

Q. No. : 4

Question : A student got marks in the ratio 6:7:8:9:10 in five subjects having equal maximum marks. In all, he scored 60% marks. In how many subjects, he got more than 50% ?

- A : 4
B : 5
C : 3
D : None

Answer: A

Q. No. : 5

Question : A rectangular park 60 m long and 40 m wide has two concrete crossroads running in the middle of the park and rest of the park has been used as a lawn. If the area of the lawn is 2109 sq. m, then what is the width of the road?

- A : 2.91 m
B : 3 m
C : 5.82 m
D : None

Answer: B

Q. No. : 6

Question In a shop, cost of 3 burgers, 7 milkshake and french fries is Rs. 120. In the same shop, cost of 4 burgers, 10 milkshake and french fries is Rs. 164.5. Find the cost of 1 Burger, 1 Milkshake and french fries in the shop.

- A : 41
B : 21
C : 31
D : None

Answer:
C

Q. No. : 7

Question : A, B and C can do a piece of work in 20, 30 and 60 days respectively. In how many days can A do the work if he is assisted by B and C on every third day?

A : 12 days

B : 15 days

C : 16 days

D : 18 days

Answer: B

Q. No. : 8

Question When a plot is sold for Rs. 18,700, the owner loses 15%. At what price must that plot be sold in order to gain 15%?

A : Rs. 21,000

B : Rs. 22,500

C : Rs. 25,300

D : Rs. 25,800

Answer:

C

Q. No. : 9

Question : A man complete a journey in 10 hours. He travels first half of the journey at the rate of 21 km/hr and second half at the rate of 24 km/hr. Find the total journey in km.

A : 220 km

B : 224 km

C : 230 km

D : 234 km

Answer: B

Q. No. : 10

Question : The average monthly income of P and Q is Rs. 5050. The average monthly income of Q and R is Rs. 6250 and the average monthly income of P and R is Rs. 5200. The monthly income of P is:

A : 3500

B : 4000

C : 4050

D : 5000

Answer:

B

Q. No. : 11

Question : A two-digit number is such that the product of the digits is 8. When 18 is added to the number, then the digits are reversed. The number is:

A : 18

B : 24

C : 42

D : 81

Answer: B

Q. No. : 12

Question : P, Q and S are moving on a circular stadium of circumference 2100 m. When P completes one round, Q is still 700 m behind. When S completes one round, Q is 300 m ahead of him. How far from the starting point three of them will meet for the first time ?

A : 16800

B : 256800

C : 2100

D : None of these

Answer:

A

Q. No. : 13

Question : A man buys a watch for Rs. 1950 in cash and sells it for Rs. 2200 at a credit of 1 year. If the rate of interest is 10% per annum, the man:

A : gains Rs. 55

B : gains Rs. 50

C : loses Rs. 30

D : gains Rs. 30

Answer: B

Q. No. : 14

Question : Salaries of Ravi and Sumit are in the ratio 2 : 3. If the salary of each is increased by Rs. 4000, the new ratio becomes 40 : 57. What is Sumit's salary?

A : Rs. 17,000

B : Rs. 20,000

C : Rs. 25,500

D : Rs. 38,000

Answer: D

Q. No. : 15

Question There are five nos. a,b,c,d,e having value of 2,5,6,10,4, not necessarily in this order. We have following clues

: 1) $c + a = e$

2) $e + a = d$

3) $d - b = b$

Which of the following is true ?

A : $10 - 5 = b - d$

B : $4 + 6 = a + e$

C : $4 - 2 = b - d$

D : None

Answer:

B

Q. No. : 16

Question : A sum fetched a total simple interest of Rs. 4016.25 at the rate of 9 p.c.p.a. in 5 years. What is the sum?

A : Rs. 4462.50

B : Rs. 8032.50

C : Rs. 8900

D : Rs. 8925

Answer:

D

Q. No. : 17

Question : Complete the series 16, 33, 65, 131, 261, (....)

A : 523

B : 521

C : 613

D : 721

Answer: A

Q. No. : 18

Question : 39 persons can repair a road in 12 days, working 5 hours a day. In how many days will 30 persons, working 6 hours a day, complete the work?

A : 10

B : 13

C : 14

D : 15

Answer:

B

Q. No. : 19

Question : The sum of the present ages of a father and his son is 60 years. Six years ago, father's age was five times the

age of the son. After 6 years, son's age will be:

- A : 12 years
- B : 14 years
- C : 18 years
- D : 20 years

Answer: D

Q. No. : 20

Question : How many 5 digit different nos. can be formed which is divisible by 4 from the digits 1,2,3,4,5,6 without repetition.

- A : 144
- B : 168
- C : 192
- D : None

Answer:
C

Q. No. : 21

Question : In a fibonacci series, difference between squares of 6th and 7th terms was 517. What is the 8th term.

- A : 32
- B : 65
- C : 83
- D : None

Answer:
D

Q. No. : 22

Question : 10 women can complete a work in 7 days and 10 children take 14 days to complete the work. How many days will 5 women and 10 children take to complete the work?

- A : 3
- B : 5
- C : 7
- D : Cant determine

Answer: C

Q. No. : 23

Question Two pipes A and B together can fill a cistern in 4 hours. Had they been opened separately, then B would have : taken 6 hours more than A to fill the cistern. How much time will be taken by A to fill the cistern separately?

- A : 1 hour
- B : 2 hours
- C : 6 hours
- D : 8 hours

Answer:
C

Q. No. : 24

Question : 476 ** 0 is divisible by both 3 and 11. The non-zero digits in the hundred's and ten's places are respectively:

- A : 7 and 4
- B : 7 and 5
- C : 8 and 5
- D : None

Answer: C

Q. No. : 25

Question : The angle between the minute hand and the hour hand of a clock when the time is 8.30, is:

- A : 80°
- B : 75°

C : 60°

D : 105°

Answer:

B

Q. No. : 26

Question : A Candle Burns in 6 Hrs..Another Candle of the same height and width burns in 8 Hrs...After How Many Hours the height of the first candle will be half of the second Candle....

A : 2.4

B : 4.8

C : 5.2

D : 4

Answer: B

Q. No. : 27

Question : Train X starts from A towards B which is 180 Kms apart. At same time, train Y start from B towards A. Train X travels at speed of 70 kmph and Y travels at 50 kmph. While X does not stop anywhere on the way, the train Y stops at station C in between at 60km from B for 15 minutes. At what distance from A they would meet

A : 115km

B : 112km

C : 120km

D : None

Answer: B

Q. No. : 28

Question : Two trains 140 m and 160 m long run at the speed of 60 km/hr and 40 km/hr respectively in opposite directions on parallel tracks. The time (in seconds) which they take to cross each other, is:

A : 9

B : 9.6

C : 10

D : 10.8

Answer: D

Q. No. : 29

Question : How many kilogram of sugar costing Rs. 9 per kg must be mixed with 27 kg of sugar costing Rs. 7 per kg so that there may be a gain of 10% by selling the mixture at Rs. 9.24 per kg?

A : 36 kg

B : 42 kg

C : 54 kg

D : 63 kg

Answer: D

Q. No. : 30

Question Ramu is given Rs 382 in one-rupee coins. He has been asked to allocate them into a number of bags : such that any amount required between Re 1 and Rs 382 can be given by just handling out a certain number of bags without opening any of them. What is the minimum number of bags possible?

A : 15

B : 13

C : 11

D : 17

Answer:

A

Q. No. : 31

Question : Who is sitting third to the right of O ?

A : Q

B : N

C : M

D : Data inadequate.

Answer: B

Q. No. : 32

Question : Which of the following pair is diagonally opposite to each other ?

A : EQ

B : BO

C : AN

D : AM

Answer: D

Solution

Q. No. : 33

Question : If B shifts to the place of E, E shifts to the place of Q, and Q shifts to the place of B, then who will be the second to the left of the person opposite to O ?

A : Q

B : P

C : E

D : D

Answer: A

Q. No. : 34

Question : If O and P, A and E and B and Q interchange their positions, then who will be the second person to the right of the person who is opposite to the person second of the right of P ?

A : D

B : A

C : E

D : O

Answer: A

Q. No. : 35

Question : In the original arrangement who is sitting just opposite to N ?

A : B

B : A

C : C

D : D

Answer: B

Five offices in Mumbai are run by five couples Husbands: Bala, Girish, Jai, Jayesh, Pratap Wife: Beena, Chand, Maya, Preeti, Sangeeta Surname: Bakshi, Joshi, Natwar, Parikh, Sahni Office: Air India, Jet, Ashiana, Indian Court, American Court No husband shares a first name initial with his wife Only one husband who is not Pratap has an identical initial for his first name and surname, but none of the wives does The Air India is run by Jai and his wife Girish and Maya are one of the couples Chand's husband is Mr. Natwar Mrs. Joshi is the owner of Jet and Preeti is the owner of American Court; neither of them is married to Jayesh The office run by the Sahni has the word 'Court' as part of its name The Ashiana is not run by Mr. Parikh whose wife is not Sangeeta

Q. No. : 36

Question : Jai's wife is

A : Preeti

B : Chand

C : Maya

D : Beena

Answer: D

Q. No. : 37

Question : The Sahni's run the restaurant

A : Ashiana

B : Air India

C : Jet

D : Indian Court

Answer: D

Solution

Q. No. : 38

Question : Which of the men has the surname Natwar

A : Bala

B : Pratap

C : Jai

D : Jayesh

Answer: D

Q. No. : 39

Question : Which of the following women is Mrs. Joshi

A : Preeti

B : Chandni

C : Sangeeta

D : Beena

Answer: C

Q. No. : 40

Question : Bala's surname is

A : Parikh

B : Joshi

C : Bakshi

D : Sahni

Answer: C

A, B, G and T are robots and P,Q, R, S ,T& U are machines. No robot can be assigned to more than 1 machine at the same time.

* A and B are required to run machine T

* B and G are required to run machine R

* G and T are required to run Machine P

* Machine Q can be run by only A

* Machine S and U can be run by any of the robots independently

Q. No. : 41

Question : If machine Q is running which other machines cannot run simultaneously?

A : P&S

B : R

C : T

D : S&T

Answer: C

Q. No. : 42

Question : What is the maximum no of machines that can run simultaneously?

A : 2

B : 3

C : 4

D : 5

Answer: B

Q. No. : 43

Question : What is the maximum no of robots that will remain idle with a combination of 3 running machines?

A : 0

B : 1

C : 2

D : 3

Answer: B

Five friends meet every morning at Sree Sagar restaurant for an idli-vada breakfast. Each consumes a different number of idlis and vadas. The number of idlis consumed are 1, 4, 5, 6, and 8, while the number of vadas consumed are 0, 1, 2, 4, and 6. Below are some more facts about who eats what and how much.

- i. The number of vadas eaten by Ignesh is three times the number of vadas consumed by the person who eats four idlis.
- ii. Three persons, including the one who eats four vadas, eat without chutney.
- iii. Sandeep does not take any chutney.
- iv. The one who eats one idli a day does not eat any vadas or chutney. Further, he is not Mukesh.
- v. Daljit eats idli with chutney and also eats vada.
- vi. Mukesh, who does not take chutney, eats half as many vadas as the person who eats twice as many idlis as he does.
- vii. Bimal eats two more idlis than Ignesh, but Ignesh eats two more vadas than Bimal.

Q. No. : 44

Question : Which of the following statements is true?

- A : Mukesh eats 8 idlis and 4 vadas but no chutney.
- B : The person who eats 5 idlis and 1 vada does not take chutney.
- C : The person who eats equal number of vadas and idlis also takes chutney.
- D : The person who eats 4 idlis and 2 vadas also takes chutney.

Answer: C

Q. No. : 45

Question : Which one of the following statements is true?

- A : Daljit eats 5 idlis
- B : Ignesh eats 8 idlis.
- C : Bimal eats 1 idli.
- D : Bimal eats 6 idlis.

Answer: A

Q. No. : 46

Question : Which of the following statements is true?

- A : Sandeep eats 2 vadas.

B : Mukesh eats 4 vadas.

C : Daljeet eats 6 vadas.

D : Bimal eats 3 vadas.

Answer: C

Each of the following questions is based on the following information:

1. Six flats on a floor in two rows facing North and South are allotted to P, Q, R, S, T and U.
2. Q gets a North facing flat and is not next to S.
3. S and U get diagonally opposite flats.
4. R next to U, gets a south facing flat and T gets North facing flat.

Q. No. : 47

Question : Which of the following combination get south facing flats?

A : QTS

B : UPT

C : URP

D : Data inadequate.

Answer: C

Q. No. : 48

Question : Whose flat is between Q and S?

A : T

B : U

C : R

D : P

Answer: A

Solution

Q. No. : 49

Question : If the flats of P and T are interchanged then whose flat will be next to that of U?

A : P

B : Q

C : R

D : T

Answer: C

Q. No. : 50

Question : The flats of which of the other pair than SU, is diagonally opposite to each other?

A : QP

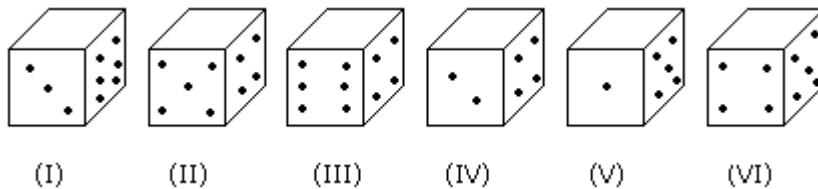
B : QR

C : PT

D : TS

Answer: A

Six dice with upper faces erased are as shows.



The sum of the numbers of dots on the opposite face is 7.

Q. No. : 51

Question : If even numbered dice have even number of dots on their top faces, then what would be the total number of dots on the top faces there dice?

A : 12

B : 14

C : 18

D : 24

Answer: C

Q. No. : 52

Question :

If dice (I), (II) and (III) have even number of dots on their bottom faces and the dice (IV), (V) and (VI) have odd number of dots on their top faces, then what would be the difference in the total number of top faces between there two sets?

A : 0

B : 2

C : 4

D : 6

Answer: D

Q. No. : 53

Question : If the odd number dice have even number of dots on their top faces, then what would be the total number of dots on the top faces there dice?

A : 8

B : 10

C : 12

D : 14

Answer: A

Q. No. : 54

Question : If the dice (I), (II) and (III) have even number of dots on their bottom faces, then what would be the total number of dots on their top faces?

A : 7

B : 11

C : 12

D : 14

Answer: B

Q. No. : 55

Question : If the even numbers of dice have odd number of dots on their top faces and odd numbered dice have even of dots on their bottom faces, then what would be the total number of dots on their top faces?

A : 12

B : 14

C : 16

D : 18

Answer: C

4 people Arti, Banti, Chetan and Dolly have together got Rs100 with them.

Arti and Banti together have got as much money as Chetan & Dolly put together.

Arti has got more money than Banti.

Chetan has half as much money as Dolly has.

Arti has Rs5 more than Dolly.

Q. No. : 56

Question : Who has got the most money?

A : Arti

B : Dolly

C : Chetan

D : Can not be determined

Answer: A

Q. No. : 57

Question : How much does Banti have?

A : 12.03

B : 11.6

C : 13.3

D : None of these

Answer: B

Q. No. : 58

Question : Who has got the second biggest sum?

A : Arti

B : Chetan

C : Dolly

D : Banti

Answer: C

Solution

Q. No. : 59

Question : What is the ratio of the amount with Chetan and Dolly?

A : 2:1

B : 1:2

C : 1:3

D : 1:4

Answer: B