

Question 1

Find the square root of $0.289 / 0.00121$.

Question 1 Select one:

a.

$170 / 11$

b.

$150 / 11$

c.

$160 / 11$

d.

$140 / 11$

The correct answer is: $170 / 11$

Question 2

What least number must be added to 6072 to make it a perfect square?

Question 2 Select one:

a.

6

b.

10

c.

12

d.

16

Feedback

The correct answer is: 12

Question 3

The number $7684x91$ is divisible by 11. Find the value of x.

A.

1

B.

2

C.

3

D.

4

The correct answer is: 3

Question 4

40% of greater number is equal to 60% of the smaller. If their sum is 150, then the greater number is

Question 4Select one:

A.

70

B.

80

C.

90

D.

60

Feedback

The correct answer is: 90

Question 5

Question text

If 20% of an electricity bill is deducted, then Rs. 100 is still to be paid. How much was the original bill?

Question 5Select one:

A.

Rs. 110

B.

Rs. 115

C.

Rs. 120

D.

Rs. 125

Feedback

The correct answer is: Rs. 125

Question 6

Correct

Mark 1 out of 1

Flag question

Question text

3 boxes have some average weight. When one box which weighs 89 kg is replaced by another box, the average weight increases by 5 kg. How much the new box weighs?

Question 6Select one:

A.

109 kg

B.

94 kg

C.

104 kg

D.

84 kg

Feedback

The correct answer is: 104 kg

Question 7

Correct

Mark 1 out of 1

Flag question

Question text

Average age of 5 people is 42 years. Another group has 8 people who have average age of 81 years. When both groups are mixed what is average age of all people?

Question 7Select one:

A.

64 years

B.

66 years

C.

61.5 years

D.

70 years

Feedback

The correct answer is: 66 years

Question 8

Correct

Mark 1 out of 1

Flag question

Question text

By selling a water heater for Rs. 3200, the shopkeeper incurs a loss of 20%. If he wants to earn a profit of 20%, at what price should he sell the water heater?

Question 8Select one:

A.

Rs. 4000

B.

Rs. 4200

C.

Rs. 4800

D.

Rs. 5760

Feedback

The correct answer is: Rs. 4800

Question 9

Correct

Mark 1 out of 1

Flag question

Question text

Jayshree wants to earn 15% profit by selling rice. She buys two varieties of rice.

Variety 1: 130 kg at Rs. 25/ Kg.

Variety 2: 175 kg at Rs. 30/ kg.

At what price per kg should she sell the rice mix per kg?

Question 9Select one:

A.

Rs. 28.4

B.

Rs. 29

C.

Rs. 31

D.

Rs. 32.05

Feedback

The correct answer is: Rs. 32.05

Question 10

Correct

Mark 1 out of 1

Flag question

Question text

The sum of the ages of three friends is 51 years. After 3 years, the ratio of their ages became 9:10:11. Then, find the present age of the youngest one.

Question 10Select one:

A.

18 yrs

B.

16 yrs

C.

21 yrs

D.

15 yrs

E.

13 yrs

Feedback

The correct answer is: 15 yrs

Question **11**

Correct

Mark 1 out of 1

Flag question

Question text

Three years ago the average age of Abhya and Avani was 18 years. With Pari joining them now, the average becomes 22 years. How old is Pari now?

Question 11Select one:

A.

24 years

B.

26 years

C.

23 years

D.

25 years

Feedback

The correct answer is: 24 years

Question **12**

Correct

Mark 1 out of 1

Flag question

Question text

Eight girls Aradhya, Bani, Charu, Damayanti, Elina, Falguni, Gautami and Harshita are standing in a straight line for addressing a seminar on Disaster Management facing the audience. Charu is to the left of Damayanti. Falguni is standing beside Gautami. Falguni is to the right of Bani. Aradhya is to the

right of Elina. Only one girl is standing between Charu and Bani. Only one girl is standing between Aradhya and Damayanti. Harshita is standing to the extreme right. Which girl among the following is to the immediate left of ARADHYA?

Question 12 Select one:

A.

Harshita

B.

Gautami

C.

Bani

D.

Elina

Feedback

The correct answer is: Elina

Question 13

K, L, M, N, O, P and Q are sitting in a circle facing at the centre and playing cards. O is neighbour of K and N. Q is not between P and M. P is to the immediate right of K. L is second to the left of Q. Which of the following does not have the pair of persons sitting adjacent to each other?

Question 13 Select one:

A.

LK

B.

ML

C.

NO

D.

QN

Feedback

The correct answer is: LK

Question 14

Correct

Mark 1 out of 1

Flag question

Question text

A train starts from a place A at 6 a.m. and arrives at another place B at 4.30 p.m. on the same day. If the speed of the train is 40 km per hour, find the distance travelled by the train ?

Question 14Select one:

A.

400 km

B.

320 km

C.

230 km

D.

420 km

Feedback

The correct answer is: 420 km

Question 15

Correct

Mark 1 out of 1

Flag question

Question text

Walking at the rate of 4 km an hour, a man covers a certain distance in 3 hours 45 minutes. If he covers the same distance on cycle, cycling at the rate of 16.5 km/hour, the time taken by him is

Question 15Select one:

A.

45.55 minutes

B.

55.44 minutes

C.

54.55 minutes

D.

55.45 minutes

Feedback

The correct answer is: 54.55 minutes

Question **16**

Incorrect

Mark 0 out of 1

Flag question

Question text

A team of 27 men is supposed to do a work in 36 days. After 30 days, 9 more men were employed and the work finished 3 days earlier. In how many days would it have been finished if 9 more men were not employed?

Question 16Select one:

A.

35 days

B.

36 days

C.

28 days

D.

34 days

Feedback

The correct answer is: 36 days

Question **17**

Correct

Mark 1 out of 1

Flag question

Question text

Mr. Sachin Tichkule, a road contractor, undertook to construct a road in 72 days with 32 workers. However, after 54 days he observed that only two-fifth of the work is completed. How many more workers need to be employed to complete the work 2 days before of the given time?

Question 17Select one:

A.
130

B.
145

C.
90

D.
115

Feedback

The correct answer is: 130

Question **18**

Correct

Mark 1 out of 1

Flag question

Question text

A man borrowed total Rs 2500 at Simple interest from two money lenders. He paid interest at 12% p.a. to one and 14% p.a. to the other. The total interest paid for the year was Rs 326. How much did he borrow at 14%?

Question 18Select one:

A.
1000

B.
1200

C.
1300

D.
1500

Feedback

The correct answer is: 1300

Question **19**

Correct

Mark 1 out of 1

Flag question

Question text

The compound interest earned in yr 6 & yr 7 on a deposit compounded annually is Rs 960 & Rs 1152 respectively. What was the interest earned in year 5?

Question 19Select one:

- A.
640
- B.
800
- C.
840
- D.
880

Feedback

The correct answer is: 800

Question **20**

Correct

Mark 1 out of 1

Flag question

Question text

In how many ways can the letters of the word MONSOON be arranged to get different words?

Question 20Select one:

- 1.
7!
- 2.
330
- 3.
210
- 4.

420

Feedback

The correct answer is: 420

Question **21**

Correct

Mark 1 out of 1

Flag question

Question text

Two dice are thrown. What is the probability that the sum of the numbers thrown up is greater than 10?

Question 21Select one:

1.

$5/36$

2.

$1/4$

3.

$1/12$

4.

$3/8$

Feedback

The correct answer is: $1/12$

Question **22**

Correct

Mark 1 out of 1

Flag question

Question text

1, 2, 5, 12, 27, 58, 121, ____

Question 22Select one:

a.

248

b.

246

c.

247

d.

249

Feedback

The correct answer is: 248

Question **23**

Correct

Mark 1 out of 1

Flag question

Question text

ADG, GJM, _____, SVY

Question 23Select one:

a.

MPS

b.

MQR

c.

MQS

d.

SPM

Feedback

The correct answer is: MPS

Question **24**

Correct

Mark 1 out of 1

Flag question

Question text

Find the ratio in which the contents of 2 jars A & B containing spirit & alcohol in the ratio 1:3 & 3:2 respectively must be mixed so that resulting mixture contains 45% spirit?

Question 24Select one:

- a.
2:3
- b.
3:5
- c.
3:2
- d.
3:4

Feedback

The correct answer is: 3:4

Question 25

Incorrect

Mark 0 out of 1

Flag question

Question text

From a jar containing mixture of 2 liquids A & B in the ratio 5:7, 35 litres is taken out and replaced by 35 litres of liquid A. Now the ratio becomes 7:5. The total liquid present in the jar is

Question 25Select one:

- a.
75 lt
- b.
110 lt
- c.
122.5 lt
- d.
144.5 lt

Feedback

The correct answer is: 122.5 lt

Question **26**

Correct

Mark 1 out of 1

Flag question

Question text

From a jar full of wine 50 litres is taken out and replaced by water & this is repeated twice more. Now the jar contains 48.8% water. The quantity of wine at the start was

Question 26Select one:

a.

100 lt

b.

200 lt

c.

225 lt

d.

250 lt

Feedback

The correct answer is: 250 lt

Question **27**

Correct

Mark 1 out of 1

Flag question

Question text

In a certain code 'BEAMING' is written as 'BFCMHOJ' and 'CLEAR' is written as 'MDESB'. How is 'TRAIL' written in that code?

Question 27Select one:

A.

USAMJ

B.

USAJM

C.

SUAMJ

D.

SUAJM

E.

None of these

Feedback

The correct answer is: SUAMJ

Question **28**

Correct

Mark 1 out of 1

Flag question

Question text

A container has 60 litres of milk. From this container 6 litres of milk was taken out and replaced by water. The process was further repeated twice. The volume of milk in the container after that is

Question 28 Select one:

A.

38.52 lit

B.

43.74 lit

C.

42.68 lit

D.

39.85 lit

E.

None of these

Feedback

The correct answer is: 43.74 lit

Question **29**

Correct

Mark 1 out of 1

Flag question

Question text

What quantity of sugar costing Rs 6.10 per kg must be mixed with 126 kg of sugar priced at Rs 2.85 per kg so that 20% may be gained by selling mix at Rs 4.80/kg ?

Question 29Select one:

A.

65 kg

B.

69 kg

C.

66 kg

D.

64 kg

Feedback

The correct answer is: 69 kg

Question 30

Correct

Mark 1 out of 1

Flag question

Question text

Find out the wrong number in the series. 7, 8, 18, 57, 228, 1165, 6996

Question 30Select one:

A.

8

B.

18

C.

57

D.

228

Feedback

The correct answer is: 228

Question **31**

Correct

Mark 1 out of 1

Flag question

Question text

Read the following Caselet/Paragraph & solve next 4 questions

A company named **TechNova Pvt. Ltd.** has 5 departments: **Development, Marketing, HR, Sales, and Finance**. Each department has a different number of employees. The total number of employees in the company is **150**.

The following information is known:

1. The **Development** department has **twice as many employees as HR**.
2. The **Finance** department has **5 fewer employees than Marketing**.
3. The **Sales** department has **10 more employees than HR**.
4. The number of employees in the **HR** department is **20**.
5. No two departments have the same number of employees.

Question-1

What is the number of employees in the Development department?

Question 31Answer

A.

30

B.

40

C.

50

D.

60

Feedback

The correct answer is: 40

Question **32**

Correct

Mark 1 out of 1

Flag question

Question text

Caselet-Question-2

How many employees are there in the Sales department?

Question 32Answer

A.

25

B.

20

C.

30

D.

35

Feedback

The correct answer is: 30

Question **33**

Incorrect

Mark 0 out of 1

Flag question

Question text

Caselet-Question-3

What is the number of employees in the Finance department?

Question 33Answer

A.

24

B.

26

C.

27

D.

Cannot be determined

Feedback

The correct answer is: 27

Question **34**

Incorrect

Mark 0 out of 1

Flag question

Question text

Caselet-Question-4

Which department has 33 employees?

Question 34Answer

A.

Sales

B.

Finance

C.

Marketing

D.

None

Feedback

The correct answer is: Marketing

Question **35**

Incorrect

Mark 0 out of 1

Flag question

Question text

If $5x - 2y = 8$ and $3x + y = 7$, then what is the value of x ?

Question 35Answer

A.

1

B.

2

C.

3

D.

4

Feedback

The correct answer is: 3

Question 36

Correct

Mark 1 out of 1

Flag question

Question text

Solve the system of equations:

$$4x + 3y = 17$$

$$5x - 2y = 4$$

What is the value of x ?

Question 36Answer

A.

1

B.

2

C.

3

D.

4

Feedback

The correct answer is: 2

Question **37**

Incorrect

Mark 0 out of 1

Flag question

Question text

A started a business with ₹50,000. After 3 months, B joined with ₹70,000. If the total profit at the end of the year is ₹26,000, what is B's share?

Question 37Answer

A.

₹14,000

B.

₹10,000

C.

₹12,000

D.

₹13,000

Feedback

The correct answer is: ₹12,000

Question **38**

Correct

Mark 1 out of 1

Flag question

Question text

A, B and C invested ₹8000, ₹4000 and ₹8000 respectively. A and B left after 6 months, while C remained for the whole year. What is the ratio of their profits?

Question 38Answer

A.

1 : 1 : 2

B.

2 : 1 : 2

C.

1 : 2 : 2

D.

2 : 1 : 4

Feedback

The correct answer is: 2 : 1 : 4

Question 39

Correct

Mark 1 out of 1

Flag question

Question text

The time taken by 12 men to complete a work varies **inversely** with the number of men. If 12 men can complete a task in 15 days, in how many days will 20 men complete the same task?

Question 39 Answer

A.

8 days

B.

9 days

C.

10 days

D.

11 days

The correct answer is: 9 days

Question 40

The sum of the first 20 terms of an arithmetic progression is 610. If the first term is 5, what is the 20th term?

Question 40

Answer

A.

56

B.

60

C.

62

D.

58

The correct answer is: 56