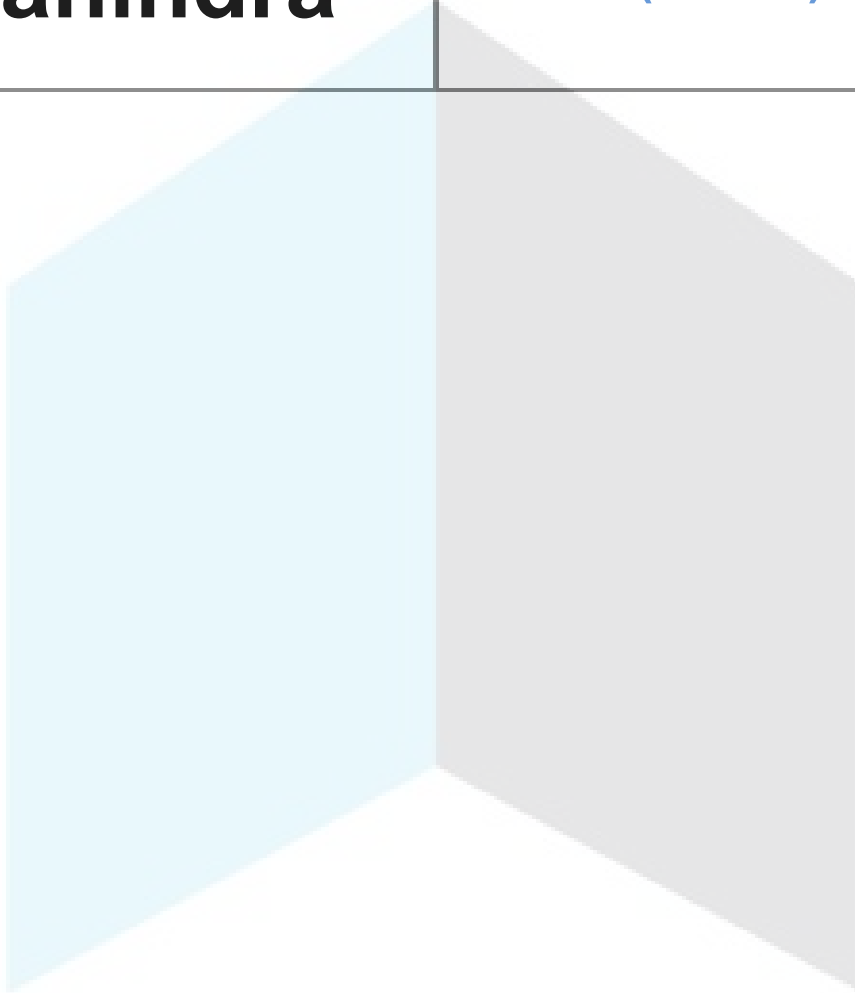


**Tech
Mahindra**

**Memory Based Paper
(Quant) 2021**



11 Questions

Que. 1 The average weight of a certain number of students in a class is 55.5 kg. If 4 students with average weight 60 kg join the class, then the average weight of all students in the class increases by 360 g. The number of students in the class, initially, is:

1. 31
2. 41
3. 36
4. 46

Correct Option - 4

Que. 2 Instead of multiplying a number by 11, the number is divided by 11, what is the percentage of error obtained ?

1. 70%
2. 99.17%
3. 80%
4. none of these

Correct Option - 2

Que. 3 A and B together can complete a certain work in 20 days whereas B and C together can complete it in 24 days. If A is twice as good a workman as C, then in what time will B alone do 40% of the same work?

1. 12 days
2. 10 days
3. 18 days
4. 15 days

Correct Option - 1

Que. 4 A sum of Rs. 25600 is invested on simple interest partly at 7% per annum and the remaining at 9% per annum. The total interest at the end of 3 years is Rs. 5832. How much money (in Rs.) was invested at 9% per annum?

1. 16000
2. 7600
3. 9600
4. 18000

Correct Option - 2

Que. 5 Two liquids A and B are mixed in a bucket in the ratio 7 : 5. If 9 liters of the mixture is replaced by 10 liters of liquid B, the ratio of both the liquids becomes 7 : 9. How many liters of liquid A was in the bucket?

1. 25
2. 22.75
3. 31
4. 21

Correct Option - 2

Que. 6 A and B invested an equal amounts in the beginning for a year. In the second year. A gave Rs. 1000 to B. In the third year, A further gave 1000 to B. The ratio of profits after 3 years was 4 : 5. Find the total amount invested by each in the first year.

1. 7600
2. 10100
3. 8800
4. 9000

Correct Option - 4

Que. 7 What price (in Rs.) should Radha mark on a bag which costs Rs. 1680 so as to earn a profit of 25% after allowing a discount of 16% on the marked price?

1. 2800
2. 2000
3. 2100
4. 2500

Correct Option - 4

Que. 8 A person can row 5 m/sec in still water. The speed of the stream is 6 km/h. The time (in hours) taken by him to row a distance of 76.8 km downstream is:

1. 3.5
2. 2.8
3. 3.2
4. 2.4

Correct Option - 3

Que. 9 Keshav, Surjeet and Thomas started a business with investments in the ratio 2 : 3 : 4. The ratio of their period of investments is 5 : 6 : 9. Twenty percent of the profit was spent on rent and maintenance of the office. Remaining profit was distributed among themselves. If the difference in the shares of profit of Keshav and Surjeet is Rs.7264, then how much is the total profit (in Rs.)?

1. 72640
2. 58112
3. 46490
4. 51060

Correct Option - 1

Que. 10 Places A and B are 45 km apart from each other. A car starts from place A and another car starts from place B at the same time. If they move in the same direction, they meet in 4 and a half hour and if they move towards each other, they meet in 27 minutes. What is the speed (in km/h) of the car which moves faster?

1. 56
2. 50
3. 45
4. 55

Correct Option - 4

Que. 11

A man wants to cross a river perpendicularly. He takes 4 minutes to cross the river in still water, and takes 5 minutes in upstream. If the river is 100 metres wide, what is the speed of stream?

1. 100 m/hours
2. 200 m/hours
3. 300 m/hours
4. 150 m/hours

Correct Option - 3

