English
General Aptitude
Quantitative Aptitude
Mixture and Alligations

Q 1 How many Kg of rice costing ₹9 per kg must be mixed with 27 kg of rice costing ₹7 per kg so that there may be gain of 10% by selling the mixture at ₹9.24 per kg?

(A) 63 kg   (B) 42 kg

(C) 54 kg   (D) 36 kg

Q 2 Two vessels P and Q contain milk and water mixed in the ratio 8:5 and 5:2 respectively. In what ratio these two mixtures are to be mixed to get a new mixture containing $69\frac{3}{13}\%$ milk?

(A) 2 : 7   (B) 5 : 7

(C) 5 : 2   (D) 3 : 5

Q 3 In a mixture of 60 litres, the ratio of milk and water is 2:1. What amount of water must be added to make the ratio of milk and water as 1 : 2?

(A) 56 litres   (B) 42 litres

(C) 60 litres   (D) 77 litres

Q 4 Find the ratio in which sugar at ₹7.20 a kg be mixed with sugar at ₹5.70 a kg to produce a mixture worth ₹6.30 a kg.

(A) 2 : 3   (B) 3 : 4

(C) 4 : 5   (D) 1 : 3

Q 5 A merchant has 1000 kg of wheat flour, part of which he sells at 8% profit and the rest at 18% profit. He gains 14% on the whole. Find the quantity he sold at 18% profit.

(A) 400 kg   (B) 560 kg

(C) 600 kg   (D) 640 kg

Q 6 One quality of sugar at ₹9.30 per kg mixed with another quality at a certain rate in the ratio 8:7. If the mixture so formed be worth ₹10 per kg, what is the rate per kg of the second quality of sugar?

(A) ₹10.30   (B) ₹10.60

(C) ₹10.80   (D) ₹11

Q 7 A milk vendor hs two cans of milk. The first contains 25% water and rest milk. The second 50% water. How much quantity should be mixed from each of the containers so as to get 12 litre of mixture where the ratio of water to milk is 3:5?

(A) 4 litre; 8 litre

(B) 6 litre; 6 litre

(C) 5 litre; 7 litre

(D) 7 litre; 5 litre

Q 8 Two vessels A and B contain Spirit and Water mixed in the ratio 5:2 and 7:6 respectively. Find the ratio in which these mixtures be mixed to obtain a new mixture in vessel C containing spirit and water in the ratio 8:5.

(A) 4 : 3   (B) 3 : 4

(C) 5 : 6   (D) 7 : 9

Q 9 In a mixture of 48 litre, the ratio of milk and water is 2 : 1. if this ratio is to be 1 : 3, then what is the quantity of water to be further added?

(A) 96 litre   (B) 72 litre

(C) 60 litre   (D) 80 litre

Q 10 In what ratio must a grocer mix two verities of rice worth ₹40 per kg and ₹48 per kg so that by selling the mixture at ₹50.6 per kg he may gain 10%?

(A) 1 : 2   (B) 1 : 3

(C) 2 : 3   (D) 4 : 1

Answer Key

Q1	A		Q6	C
Q2	A		Q7	B
Q3	C		Q8	D
Q4	A		Q9	D
Q5	C		Q10	B