APTITUDE QUIZ

Q1. A man divided his wealth so that his son's share to his wife's share and the wife's share to his daughter's share are both in the ratio 3: 1 and the daughter's share is Rs. 64,000 less than that of the son. What is the value of the total wealth?

(a) 94,000

(b) 104,000

(c) 832,000

(d) 68,000

(e) 108000

Q2. The sum of three numbers is 98. If the ratio of the first to the second is 2 : 3 and that of second to the third is 5 : 8 then the second numbers is :

(a) 20

(b) 30

(c) 38

(d) 48

(e) 45

Q3. One fraction is in the ratio 2 : 3. If 6 is subtracted from antecedent than resulted it 2/3 of original fraction. Find out antecedent.

(a) 6

(b) 18

(c) 27

(d) 26

(e) 21

Q4. The total number of students of Bal Bharti school was 660. The ratio between girls and boys was 9 : 13. After some days, 30 girls joined the school and some boys left the school and new ratio between girls and boys became 5 : 6. The number of boys who left the school is :

(a) 50

(b) 40

(c) 20

(d) 60

(e) 30

Q5. Between two consecutive years my incomes are in the ratio of 2 : 3 and expenses in the ratio 5 : 9. If my income in the second year is Rs. 45000 and my expenses in the first year is Rs. 25000. My total savings for the two years is:

(a) Nil

(b) Rs. 15000

(c) Rs. 10000

(d) Rs. 5000

(e) None of these

Q6. A bag contains Rs. 90 in coins of denominations of 50 paise, 25 paise and 10 paise. If coins of 50 paise, 25 paise and 10 paise are in the ratio 2 : 3 : 5, then the number of 25 paise coins in the bag is :

(a) 80

(b) 120

(c) 100

(d) 135

(e) 140

Q7. At the start of a counselling, the ratio of the number of male participants to the number of female participants was 3 : 1. During the tea break 16 participants left and 6 more female participants registered. The ratio of the male to the female participants become 2 : 1. What was the total number of participants at the start of the counselling?

(a) 64

(b) 48

(c) 54

(d) 72

(e) 68

Q8. A mixture contains alcohol and kerosene in the ratio 5 : 1. On adding 5 litres of kerosene, the ratio of alcohol and kerosene becomes 5 : 2. The quantity of milk in the original mixture is.

(a) 16 litres

(b) 25 litres

(c) 22.75 litres

(d) 32.5 litres

(e) 30 litres

Q9. Twenty years ago the ratio between the ages of Sikha and Swati was 1 : 4 and at present it is 1 : 2. What is the age of Sikha at present?

(a) 25

(b) 35

(c) 30

(d) 60

(e) 40

Q10. The ratio between Sudhir's and Pranav's age at present in 2 : 3. Sudhir is 6 years younger than Pranav. The ratio of Sudhir's age to Pranav's age after 6 years will be:

(a) 2 : 3

(b) 1 : 2

(c) 4 : 3

(d) 3 : 4

(e) 3 : 5

Q11. In express train, the number of passengers travelling in AC sleeper class, First class and Sleeper class are in the ratio 1 : 2 : 3 and the fares to each of these classes are in the ratio 5 : 4 : 2. If the total income from this train is Rs. 57000, then the income from the AC sleeper class is:

(a) Rs. 8000

(b) Rs. 15000

(c) Rs. 10000

(d) Rs. 6000

(e) None of these

Q12. The expenses of a hostel consist of two parts. One part varies with the number of students while the other is constant. When the number of students is 200 and 250, the expenses are respectively Rs. 1300 and Rs. 1600. Then, the expenses for 300 students are:

(a) Rs. 1800

(b) Rs. 1900

(c) Rs. 2000

(d) Rs. 2100

(e) Rs. 2300

Q13. An amount of money is to be distributed among X, Y and Z in the ratio 3 : 1 : 5. The difference between Y's and Z's share is Rs. 3600. What is the total of X's and Y's share?

(a) Rs. 5400

(b) Rs. 3600

(c) Rs. 2700

(d) Rs. 1800

(e) Rs. 2100

Q14. A and B are two alloys of gallium and copper prepared by mixing metals in the ratio 7 : 2 and 7 : 11 respectively. If equal quantities of alloys are melted to form a third alloy C, find the ratio of gallium and copper in C.

(a) 7 : 12

(b) 14 : 13

(c) 7 : 5

(d) 2 : 11

(e) 5 : 3

Q15. A jackal pursues a deer and takes 5 leaps for every 6 leaps of the deer, but 4 leaps of the jackal are equal to 5 leaps of the deer. Compare the speeds of the jackal and the deer.

(a) 15 : 22

(b) 9 : 25

(c) 25 : 21

(d) 25 : 24

(e) None of these

ANSWERS

1. b

2. b

3. b

4. e

5. d

6. b

7. a

8. b

9. c

10. d

11. b

12. b

13. b

14. c

15. d