**RATIOS**

1. If A : B  = 4 : 7 and B : C = 5 : 9 then A : B : C is :

     a) 20 : 35 : 63    b) 35 : 36 : 63         c) 30 : 35 : 65  d)25 :34: 68

 2. If  m : n  = 3 : 4 and n : o  = 8 : 9, then m : o is :

     a) 1 :3           b) 3 :2  c) 2 : 3  d) 1 : 2

3. If 15% of A is the same as 20% of B, then A : B  is :

a) 3 : 4     b) 4 : 3             c) 17 : 16         d) 16 : 17

 4. Which of the following  ratios is greatest ?

a) 7 :15            b) 15 :23          c) 17 :25          d) 21 :29

5. The ratio of number of boys and girls in a class is 3 : 2.  In the 1st semester exam 20% of boys and 25% of girls get more than or equal to 90%  marks. What percentage of students get less than 90% marks ? (TCS)

a) 56    b) 70    c) 78    d) 80

6. A mixture of 85 kg contains milk and water in the ratio 27 : 7. How much more water is to be added to get a new mixture containing milk and water in the ratio 3:1? (TCS)

a) 5 kg     b)6.5 kg           c) 7.5 kg          d) 8 kg

7. The ages of Raju and Biju  are in the ratio 3:1. Fifteen years hence, the ratio will be 2:1. Their present ages are (SYNTEL)

a) 30yrs, 10yrs             b) 45 yrs, 15yrs  c)21 yrs, 7 yrs          d) 60yrs, 20yrs

8. The speeds of three motor bikes are in the ratio 6 : 5 : 4.  The ratio between the time taken by them to travel the same distance is :

a) 10 : 12 : 15     b) 12 : 10 : 8    c) 15 : 12: 10   d) 10 : 15 : 12

9. In a company 10% of male staff are same in number as 1/4th of the female staff. What is the ratio of  male staff to female staff (IBM)

a) 3 : 2             b) 5 : 2                        c) 2 : 1             d) 4 : 3

10. The telephone bill of a certain establishment is party fixed and partly varies as the number of calls consumed. When in a certain month 540 calls made the bill is Rs.1800. In another month 620 calls are  consumed then the bill becomes Rs.2040. In another month 500 units are consumed due to more holidays. The bill for that month would be (TCS)

a) Rs.1560           b) Rs.1680      c) 1840            d) Rs.1950

11. If 0.4 of a number is equal to 0.06 of another number, the ratio of the numbers is :

a) 2 :3      b) 3 :4    c)3:20           d) 20 : 3

12. The ratio of incomes of two person P1 and P2 is 5 : 4 and the ratio of their expenditures is 3 : 2. If at the end of the year, each saves Rs.1600, then what is the income of P1? (TCS)

     a)Rs.800 b) Rs.2400 c)Rs.4000 d)3200

 13. The mean proportional between 234 and 104 is :

      a) 12    b) 39    c) 54    d) None of these

14. The seats in an Engineering college for Computer science, electronics and civil are in the ratio of 5 : 7 :  8. There is a proportion to increase these seats by 40%, 50% and 75% respectively. What will be the     ratio of increased seats ?

    a) 2 : 3 : 4     b) 6 : 7 : 8        c) 6 : 8 :  9       d) none of these

15. If 96 is divided into  four parts proportional to  5, 7, 4, 8 then the smallest part is :

 a) 16        b)14     c)20     d) 18