1.Consider a group of working men. If 1/10th of the workers are absent then work of each person would be increased by.  
**a. 20%  b. 22.22%  c. 10%  d.11.11%**

2.John is supposed to walk from his house to park every morning. One morning, he is in real hurry and wants to save at least 1/3rd of the time. By how much percentage he should increase his   
speed.  
**a. 100%  b. 33%  c. 66%  d.50%**

3. Pointing to the woman in the picture, Govind said, “ Her mother has only one grandchild whose mother is my wife”. How is the woman in the picture related to Govind?  
**a) Sister  b)Wife  c)cousin  d)data inadequate**

4.A cylinder of diameter 14 and height 7 is converted into a cone of radius 6. Now, what could be the percentage height of the new shape ?  
**a. 308%**  **b. 32%  c. 2150%  d. 215%**

5.Find the largest number which gives out reminders 2 and 5 when used to divide 80 and 122.  
**a. 19  b.17  c. 13  d.infinite number of solutions**

6.Find the ratio of the volumes of a sphere and cone of same radius. Also the height of the cone is twice its radius.  
**a. 3 : 1  b. 4 : 3  c. 4 : 1  d. 2 : 1**  
  
 7.Find the missing number in the sequence 504 , \_ , 990, 1320, 1716  
**a. 720**  **b. 1000  c. 721  d. 790**

8.The perimeter of a square and a rectangle is the same. If the rectangle is 12 cms. by 10 cms., then by what percentage is the area of the square more than that of the rectangle?  
**a. 1  b. 3**  **c. 5/6  d.1/2**

9.If the radius of a circle is increased by 12%, then the area of the circle  
**a. decreases by 25.44% b. increases by 25.44%  
c. no change in area d. decreases by 12%**

10.Aravamudhan, Balakrishnan and Chinnan work in a developing software company in starting level positions. However their salaries are different. Aravamudhan’s salary to Balakrishnan’s salary and Balakrishnan’s salary to Chinnan’s salary are in the ratio 4:3. If the total salary of all the three employees is Rs.29230, what is the salary of Chinnan?  
**a. Rs.12640  b. Rs.9480  c. Rs.7110  d. Rs.8660**

11.If the wheel of a bicycle makes 560 revolutions in travelling 1.1 km, what is its radius?

**a. 31.25 cm b. 37.75 cm c. 35.15 cm d. 11.25 cm**

12. A man driving his bike at 24 kmph reaches his office 5 minutes late. Had he driven 25% faster on an average he would have reached 4 minutes earlier than the scheduled time. How far is his office?

**a. 24 km b. 72 km c.18 km d. Data Insufficient**

13.The sum of any seven consecutive numbers is divisible by

**a. 2 b. 7 c. 3 d. 11**

14.If the operation,^ is defined by the equation x ^ y = 2x + y ,what is the value of a in 2 ^ a = a ^ 3

**a. 0 b. 1 c. -1 d. 4**

15.Two third of three fifth of one fourth of a number is 24. What is 40% of that number?

**a. 96 b. 72 c. 120 d. 156**

16.Divide 45 into four parts such that when 2 is added to the first part, 2 is subtracted from the second part, 2 is multiplied by the third part and the fourth part is divided by two, all result in the same number.

**a. 8, 12, 5, 20 b. 6,10,15,11  
c. 2,8,14,9 d. none of these**

17.A car travels a certain distance taking 7 hrs in forward journey, during the return journey increased speed 12km/hr takes the times 5 hrs.What is the distance travelled ?  
**(a) 210 kms (b) 30 kms (c) 20 kms (d) none of these**  
  
**18.**Instead of multiplying a number by 7, the number is divided by 7. What is the percentage of error obtained ?  
  
**19.** Find (7x + 4y ) / (x-2y) if x/2y = 3/2 ?  
**(a) 6 (b) 8 (c) 7 (d) data insufficient**

20.In simple interest what sum amounts of Rs.1120/- in 4 years and Rs.1200/- in 5 years ?  
**(a) Rs. 500 (b) Rs. 600 (c)Rs.800 (d) Rs. 900**