

CLASS SHEET – APTITUDE & REASONING – 09 Oct, 2019

1. The entrance ticket at the INOX theatre in Chennai is worth Rs. 250. When the price of the ticket was lowered, the sale of tickets increased by 50% while the collections recorded a decrease of 17.5%. Find the deduction in the ticket price.
a. Rs 150 b. Rs 112.5 c. Rs 105 d. Rs 120
2. In 2002, R's salary was Rs. 24000. In 2001, his salary was equal to that of S. R's salary in 2001 was 20% less than his salary in 2002. S's salary in 2002 was 20% more than his salary in 2001. By what percentage is the sum of the salaries of S in both the years more/less than that of R in both the years?
a. $2\frac{2}{9}$ b. $4\frac{2}{9}$ c. $5\frac{2}{9}$ d. $3\frac{2}{9}$
3. The ratios of the salaries of A and B is $2:2\frac{1}{7}$. By what percentage is B's salary greater than A's salary?
a. $7\frac{1}{7}$ b. $9\frac{1}{7}$ c. $5\frac{1}{7}$ d. $3\frac{1}{7}$
4. A truck that usually covers a distance of 1000 km with a particular speed now covers a distance of 1400 km due to an increase in speed by 30%. What would be the percentage change in time due to the increase of speed?
a. Increase of $7\frac{9}{13}\%$ b. Decrease of $7\frac{9}{13}\%$
c. Increase of $9\frac{9}{13}\%$ d. Decrease of $9\frac{9}{13}\%$
5. The sales of a business in 1997 were 30% less than sales in 1996. By what percent must the sales in 1998 be approximately increased to bring to the level of 1996
a. 43% b. 49% c. 39% d. 36%
6. In a town, there are 3200 men and 2500 women. If the number of men decreases by 2% and the number of women increases by 4%, then what is the percentage increase or decrease in the total population?
a. 63% b. 49% c. 0.63% d. 0.49%
7. A woman has a certain number of mangoes of which 10% are bad. She gives 80% of the remainder in charity. Then she has 252 left. How many she had at first?
a. 1400 b. 1490 c. 1300 d. 1360
8. A man divides his property so that ratio of his son's share to his wife's and the ratio of the wife's share to his daughter are both 3:1. If the daughter gets Rs. 10000 less than the son, then the total worth of his property is:
a. 15000 b. 15750 c. 16000 d. 16250
9. The ratio of milk and water-milk mixture is 2:3. How much water should be added to 60 litres of the mixture to make the ratio of milk and mixture as 1:3?
10. The ratio of the number of students in three classes A, B and C is 3: 7: 8. If ten students leave C and join B, the ratio of the number of students in B and C would reverse. Find the total number of students in the three classes.
a. 150 b. 160 c. 180 d. 210

11. Four friends jointly bought a plot worth Rs.5, 60,000. For every 7 rupees A paid, B paid 15 rupees and for every 5 rupees B paid, C paid 12 rupees. The amounts paid by C and D are in the ratio of 2: 3. What amount did C spend on purchasing the plot?
 a. Rs.1,80,000 b. Rs.2,70,000 c. Rs.75,000 d. Rs.1,62,000
12. A year ago the ratio of salaries of A and B was 2 : 3. The ratios of the salary of last year to that of the present year, in the case of A and B respectively are 3: 4 and 5: 7. If this year the difference in their salaries is Rs.1150, what is B's salary this year?
 a. Rs.3150 b. Rs.3350 c. Rs.32.50 d. Rs.3050
13. Rs.1080 was divided among A, B and C in a certain ratio. Had each of them received RS.6 less than their actual share, then for every part A got, C would have got 2 parts and for every 2 parts A got, B would have got 3 parts. How much was B's actual share?
 a. Rs.354 b. Rs.472 c. Rs.236 d. Rs.360
14. If A:B = 7:9, B:C = 3:5, C:D = 3:7 & D is 25% more than E, Find the ratio between A and E?
 a. $\frac{3}{4}$ b. $\frac{1}{4}$ c. $\frac{4}{3}$ d. $\frac{4}{5}$
15. If Rs.1980 is to be distributed to three men A, B and C in such a way that when Rs. 4, Rs. 5 and Rs.11 are added to their respective shares, the ratio becomes 4 : 5: 11, what is B's share?
 a. Rs.500 b. Rs.495 c. Rs.505 d. Rs.490

Questions 16 – 20: There are six women, Shalini, Divya, Ritu, Rashmi, Nisha and Renu in a family of 12 members.

There are few married couples in the family and none of the grand children are married.

- Sunil is married into the family. Rohan, Mahesh and Jatin have a nephew Dipesh, who is the only son of Rashmi.
 - Ravi is the paternal grandfather of Nisha. Ritu is the daughter in law of Shalini.
 - Renu is the first cousin of Dipesh. Shalini has only three grandchildren.
 - Mahesh has two brothers and only one sister Rashmi and a sister in law Divya.
 - Dipesh's only unmarried maternal uncle, Jatin is the brother in law of Sunil.
 - Rohan is the paternal uncle of Nisha.
 - Ritu has two daughters one of whom is Nisha.
16. The number of married couple in the second generation is
 a. 1 b. 2 c. 3 d. 4
 17. Nisha is :
 a. Rohan's daughter b. Jatin's mother c. Renu's cousin d. NOTA
 18. Rashmi is :
 a. Mahesh's wife b. Renu's aunt c. Nisha's mother d. NOTA
 19. Dipesh is :
 a. Mahesh's son b. Ravi's grandson c. Rohan's son d. Sunil's Nephew
 20. Which of the following is true?
 a. Dipesh is Mahesh's son
 b. Ravi has only two married children
 c. Ravi is the paternal grandfather of Renu
 d. NOTA