Subject: - Mathematics   **PRACTICE PAPER**   **CBSE-7th**

Topic: - PERCENTAGE & ITS APPLICATIONS

1. Anita scored 320 marks out of 400 marks and Reeta scored 300 marks out of 360 marks. Whose performance is better? **(Ans. 3.33% Reeta better)**

2. Convert each part of the ratio 1:2:5 into %age. **(Ans. $12\frac{1}{2}\%, 25\%, 62\frac{1}{2}\%$)**

3. Chalk contains calcium carbon and sand in the ratio 12:3:10, find the % of carbon in the chalk.

(Ans. 12%)

4. We have a basket full of apples, oranges and mangoes. If 50% are apples, 30% are oranges then what % are mangoes. **(Ans. 20%)**

5. A computers costing Rs. 60,000 one year ago. Now costs Rs. 40,000, find the % increase or decrease % in the price. **(Ans. $33\frac{1}{3}\%\ decrease$)**

6. An election was contested by Sandeep and Rohan. In all, there were 5650 votes. 80% of votes were polled. If Sandeep got 55% of the votes polled. How many votes did Rohan get? **(Ans. 2034 votes)**

7. Out of 1800 students in the school, 40% of the students are girls and rest are boys. If 25% the boys and 45% of the girls are vegetarian, then: -

(a) How many students in all are vegetarian? **(Ans. 594)**

(b) What % of the total no. of students are vegetarian? **(Ans. 33%)**

8. What no. when increased by 14% becomes 855? **(Ans. 750)**

9. 40% of the population of a town are men and 39% of the population are women. If the no. of children is 12600. Find the no. of men. **(Ans. 24000)**

10. Rehman bought a bicycle for Rs.1200 and sold it for Rs. 1104. Find his loss or gain and loss % or gain%.

(Ans. 8%)

11. An item was sold for Rs.532 at a loss of 5%. What was it cost price? **(Ans. Rs. 560)**

12. By selling a fan for Rs.810, a dealer makes a profit Rs. 60. What is the cost price of the fan and what is his profit %. **(Ans. Rs.750, 8%)**

13. By selling an article for Rs.4550, Tony incurs a loss of 9%. What % would he gain or lose by selling it for Rs.4825? **(Ans. Loss 3.5%)**

14. Find the time in which the simple interest on Rs. 12900 at $8\frac{1}{3}\%$ per annum will be Rs.3225.

(Ans. 3 Years)

15. At what rose % per annum will the S.I. on Rs. 5650 be Rs. 1695 in 2 years 6 months.

(Ans. 12% per annum)

16. What sum of money will amount to Rs.2760 in 3 years at 5% per annum S.I.? **(Ans. 2400)**

17. Find the Principal When.

a) Find amount Rs. 4500 at 20% per annum for 5 Years. **(Ans. 2250)**

b) Find amount is Rs. 2420 at 4% per annum for $2\frac{1}{2}$ years. **(Ans. 2200)**

18. Find the S.I. on: -

a) Rs. 350 for 2 years at 11% per annum. **(Ans. Rs. 77, 427)**

b) Rs. 20000 for $4\frac{1}{2}$ years at $8\frac{1}{2}$% per annum. **(Ans. Rs.7650, Rs.27650)**

c) Rs.648 for 8 months at $16\frac{2}{3}$% per annum. **(Ans. Rs. 72, Rs. 720)**

Also find the amount in each case.