# GIRLS' HIGH SCHOOL AND COLLEGE, PRAYAGRAJ
## Worksheet– 2
## Session 2020-21
## CLASS–X (A,B,C,D,E,F)
## SUBJECT : MATHEMATICS

**INSTRUCTIONS** – Parents are expected to ensure that the student spends two days to read and understand the chapter according to the books and websites :

**NOTE –** 1. Concise Mathematics ICSE Class X by R.K. Bansal
2. Understanding ICSE Mathematics Class X by M.L. Aggarwal
3. www.extramarks.com , www.topperlearning.com

**Topic** – <u>Shares and Dividend</u>

**Formula :–** 1. No. of shares = $\dfrac{\text{Investment}}{\text{MV of 1 share}}$   2. Dividend = $\dfrac{d\%}{100}$×NV×No of shares

3. % return = $\dfrac{\text{Annual income}}{\text{Investment}}$×100%

**Ques 1.** Ajay owns 560 shares of a company. The face value of each share is Rs 25. The company declares a dividend of 9%. Calculate

(i) the dividend that Ajay will get.

(ii) the rate of interest on his investment, if Ajay had paid Rs 30 for each share.

**Ques 2.** Mr. Tiwari invested Rs 29040 in 15% Rs 100 shares quoted at a premium of 20%. Calculate

(i) the number of share bought by Mr. Tiwari.

(ii) Mr. Tiwari's income from the investment.

(iii) the percentage return on his investment.

**Ques 3.** Mr. Ram Gopal invested Rs 8000 in 7% Rs 100 shares at Rs 80. After a year, he sold these shares at Rs 75 each and invested the proceeds in 18% Rs 25 shares at Rs 41. Find

(i) his dividend for the first year.

(ii) his annual income in the second year.

(iii) the percentage increase in his return on his original investment.

**Ques 4.** Salman buys 50 shares of face value Rs 100 available at Rs 132.
(i) What is his investment?
(ii) If the dividend is 7.5%, what will be his annual income?
(iii) If he wants to increase his annual income by Rs 150, how many extra shares should he buy?

**Ques 5.** A man invests Rs 8800 on buying shares of face value of Rs100 each at a premium of 10% in a company. If he earns Rs 1200 at the end of the year as dividend, find
(i) the number of shares, he has in the company.
(ii) the dividend percentage per share.

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