

NALANDA COLLEGE - COLOMBO 10

Grade 11

Mathematics

Second Term – Unit Test



10) Stock Market

PART I

1. Mr.Silva who invests in the stock market, bought 3000 shares in a certain company when the market price of a share was Rs.25. when the market price of a share increased to Rs.30, he sold all his shares. Find his capital gain.
2. Asanka invested Rs.80000 and bought shares in a company at the market price of Rs.x per share. The company pays annual dividends of Rs.5 per share. Find his annual dividends income in terms of x.
3. Amal invested Rs.40000 in a business and bought shares at the market price of Rs.25 per share; The company pays annual dividends of Rs.8 per share. Write the annual dividend income as a percentage of the investment.
4. Sunil invested Rs.80000 and bought shares in a company at the market price of Rs.40 per share. Find the number of shares Sunil bought.
5. A person bought 2000 shares in a company when the market price was Rs.50 per share. He then sold all these shares when the market price has increased to Rs.80 per share. Find his capital gain as a percentage of the amount invested.

PART II

- 1) Mr.Amarasena bought 3000 shares in a certain company which pays annual dividends of Rs.8 per share, at the market price of Rs.50 per share. After receiving dividends for a year, he sold his shares when the market price had increased to Rs.70 per share.
 - i. Find the annual dividends income that Mr.Amarasena receives from this investment.
 - ii. Find his capital gain.
 - iii. Express his capital gain as a percentage of the amount invested.
- 2) A person who owned 5000 shares in company A which pays an annual dividend of Rs.6 per share sold these shares at the market price of Rs.30, after receiving the annual dividend income. He spent the dividend income and the money he received by selling the shares to buy shares in company B at the market price of Rs.45. From this investment he gained an annual dividend income which was Rs.6000 more than what he received from the previous investment. Find the annual dividend per share that the company B paid.
- 3) A man invested Rs.50000 and bought shares in company X which pays annual dividend of Rs.8 per share at the market price of Rs.50 per share. After receiving annual dividend income, he sold all his shares at Rs.60 per share.
 - i. Find the number of shares he bought in company X.
 - ii. Find his total dividend income.
 - iii. Find his capital gain.
 - iv. Express his annual dividend income as a percentage of the amount invested.