

**Shares and Dividends**  
**Assignment**

1. Mr. Tiwari invested ₹ 29040 in 15% ₹ 100 shares quoted at a premium of 20%. Calculate:
  - (i) the number of shares bought by Mr. Tiwari
  - (ii) Mr. Tiwari's income from the investment
  - (iii) the percentage return on his investment.
2. A man invested ₹ 45000 in 15% ₹ 100 shares quoted at ₹ 125. When the market value of these shares rose to ₹ 140, he sold some shares, just enough to raise ₹ 8400. Calculate the:
  - (i) number of shares he still holds;
  - (ii) dividend due to him on these remaining shares.
3. Rohit invested ₹ 9600 on ₹ 100 shares at ₹ 20 premium paying 8% dividend. Rohit sold the shares when the price rose to ₹ 160. He invested the proceeds (excluding dividend) in 10% ₹ 50 shares at ₹ 40. Find the:
  - (i) original number of shares
  - (ii) sale proceeds.
  - (iii) new number of shares.
  - (iv) change in the two dividends.
4. Salman invests a sum of money in ₹ 50 shares paying 15% dividend quoted at 20% premium. If his annual dividend is ₹ 600, calculate:
  - (i) the number of shares he bought.
  - (ii) his total investment.
  - (iii) the rate of return on his investment.
5. A man invests ₹ 9600 on ₹ 100 shares at ₹ 80. If the company pays his 18% dividend, find:
  - (i) the number of shares he buys.
  - (ii) his total dividend.
  - (iii) his percentage return on the shares.
6. Vivek invests ₹ 4500 in 8%, ₹ 10 shares at ₹ 15. He sells the shares when the price rises to ₹ 30, and invests the proceeds in 12% ₹ 100 shares at ₹ 125.  
Calculate:
  - (i) the sale proceeds
  - (ii) the number of ₹ 125 shares he buys.
  - (iii) the change in his annual income from dividend.

7. Ajay owns 560 shares of a company. The face value of each share is ₹ 25. The company declares a dividend of 9%. Calculate the :
- (i) dividend that Ajay will get.
  - (ii) rate of interest on his investment, if Ajay had paid ₹ 30 for each share.
8. Rajat wants to buy 72 shares available at ₹ 134 (par value of ₹ 100).
- (i) How much should he invest?
  - (ii) If the dividend is 6.5%, what will be his annual income?
  - (iii) If he wants to increase his annual income by ₹ 195, how many extra shares should he buy?
9. Neha wants to buy 50 shares available at ₹ 115 (par value of ₹ 100).
- (i) How much should she invest?
  - (ii) If the dividend is 8.5%, what will be her annual income?
10. Which is the better investment:  
8% of ₹ 10 shares at ₹ 13.50 or 7% of ₹ 100 shares at ₹ 120?
11. A man transfers his ₹ 100 shares from 10% at ₹ 75 to 16% at ₹ 80 and there by increases his annual income by ₹2000. Find the number of original shares held by him.
12. A man purchases 500 shares of face value ₹ 30 at par. If a dividend of ₹ 750 was received at the end of the year, find the rate of dividend.
13. A man invested ₹ 35000 in 15% ₹ 100 shares quoted at ₹ 125. When the market value of these shares rose to ₹135, he sold some shares, just enough to raise ₹ 8100. Calculate the:
- (i) number of shares he still holds;
  - (ii) dividend due to him on these remaining shares.
14. A man invests ₹ 18480 in buying shares of nominal value ₹ 24 at 10% premium. The dividend on the shares is ₹12% p.a. Calculate the:
- (i) number of shares he buys;
  - (ii) dividend he receives annually;
  - (iii) rate of interest he gets on his money.
15. A person invested ₹ 20000 and ₹ 18000 in buying shares at per of two companies which later on declared dividends off 8% and 12% respectively. He collects the dividends and sells out all his shares at a loss of 3% and 5% respectively on the investment. Find his total gain these transactions.

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## Answers

1. (i) 242 (ii) ₹ 3630 (iii) 12.5% 2. (i) 300 shares (ii) ₹ 4500.  
3. (i) 80 (ii) 10% (iii) 320 (iv) ₹ 960 4. (i) 80 (ii) ₹ 4800 (iii) 12.5%  
5. (i) 120 (ii) ₹ 2160 (iii) 22.5% 6 (i) ₹ 9000 (ii) 72 (iii) ₹ 624  
7. (i) ₹ 1260 (ii)  $7\frac{1}{2}\%$ . 8. (i) ₹ 9648 (ii) ₹ 468 (iii) 30 shares  
9. (i) ₹ 5750 (ii) ₹ 425 10. First investment is better than second investment.  
11. 400 shares 12. 5% 13. (i) 220 shares (ii) ₹ 3300  
14. (i) 700 shares (ii) ₹ 2016 (iii) 10.9% 15. ₹ 2260.

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