EduSahara™ Assignment

Name : Shares and Dividends Word Problems

Chapter : Shares and Dividend

Grade : ICSE Grade X

1. A man invested ₹11400.00 in 3.00% ₹150.00 shares quoted at ₹190.00. When the market value of these shares rose to ₹230.00, he sold some shares, just enough to raise₹3450.00, find number of shares he still holds.

   (i) 45 (ii) 42 (iii) 50 (iv) 48 (v) 40

2. A man invested ₹750.00 in 9.00% ₹20.00 shares quoted at ₹30.00. When the market value of these shares rose to ₹110.00, he sold some shares, just enough to raise₹660.00, find the dividend due to him on the remaining shares.

   (i) ₹34.20 (ii) ₹37.20 (iii) ₹29.20 (iv) ₹31.20 (v) ₹39.20

3. Which of the following is the best investment?
   13.00%, ₹100.00 shares at ₹120.00
   14.00%, ₹100.00 shares at ₹125.00
   12.00%, ₹100.00 shares at ₹155.00
   15.00%, ₹100.00 shares at ₹135.00
   11.00%, ₹100.00 shares at ₹150.00

   (i) 13.00% , ₹100.00 shares at ₹120.00 (ii) 14.00% , ₹100.00 shares at ₹125.00

   (iii) 12.00% , ₹100.00 shares at ₹155.00 (iv) 15.00% , ₹100.00 shares at ₹135.00

   (v) 11.00% , ₹100.00 shares at ₹150.00

4. Divide ₹164000.00 into two parts such that if one part is invested in 2.00%, ₹100.00 shares at ₹10.00 discount and the other in 3.00%, ₹100.00 shares at ₹30.00 discount , the annual incomes are equal.

   (i) ₹108000.00 , ₹56000.00 (ii) ₹56000.00 , ₹108000.00 (iii) ₹109800.00 , ₹54200.00

   (iv) ₹107300.00 , ₹56700.00 (v) ₹108900.00 , ₹55100.00

5. Divide ₹299250.00 into two parts such that if one part is invested in 2.00%, ₹100.00 shares at ₹15.00 discount and the other in 4.00%, ₹100.00 shares at ₹45.00 premium , the annual incomes are equal.

   (i) ₹162350.00 , ₹136900.00 (ii) ₹160050.00 , ₹139200.00 (iii) ₹163200.00 , ₹136050.00

   (iv) ₹137750.00 , ₹161500.00 (v) ₹161500.00 , ₹137750.00

6. Divide ₹145500.00 into two parts such that if one part is invested in 2.00%, ₹100.00 shares at ₹25.00 premium and the other in 3.00%, ₹100.00 shares at ₹45.00 discount , the annual incomes are equal.

   (i) ₹113750.00 , ₹31750.00 (ii) ₹115000.00 , ₹30500.00 (iii) ₹33000.00 , ₹112500.00

   (iv) ₹112500.00 , ₹33000.00 (v) ₹111950.00 , ₹33550.00

7. Divide ₹258000.00 into two parts such that if one part is invested in 2.00%, ₹100.00 shares at ₹15.00 premium and the other in 3.00%, ₹100.00 shares at ₹50.00 premium , the annual incomes are equal.

   (i) ₹136500.00 , ₹121500.00 (ii) ₹139150.00 , ₹118850.00 (iii) ₹120000.00 , ₹138000.00

   (iv) ₹138000.00 , ₹120000.00 (v) ₹140300.00 , ₹117700.00

8. A man bought 1200 shares of ₹62.00 par value paying dividend of 13.00% per annum. He sold them when the price became ₹125.00 and invested the proceeds in ₹375.00 shares, paying 14.00% dividend and quoted at ₹750.00. Find the change in his annual income.

   (i) ₹828.00 decreased (ii) ₹828.00 increased (iii) ₹838.00 decreased (iv) ₹838.00 increased

   (v) ₹818.00 increased

9. A man invested ₹17600.00 in 2.00% ₹200.00 shares quoted at ₹220.00. When the market value of these shares rose to ₹250.00, he sold some shares, just enough to raise₹10000.00, find number of shares he still holds.

(i) 37 (ii) 35 (iii) 40 (iv) 43 (v) 45

10. A man invested ₹6750.00 in 8.00% ₹60.00 shares quoted at ₹75.00. When the market value of these shares rose to ₹145.00, he sold some shares, just enough to raise₹6525.00, find the dividend due to him on the remaining shares.

(i) ₹202.00 (ii) ₹231.00 (iii) ₹233.00 (iv) ₹216.00 (v) ₹203.00

11. Which of the following is the best investment?
8.00%, ₹100.00 shares at ₹155.00
9.00%, ₹100.00 shares at ₹130.00
7.00%, ₹100.00 shares at ₹120.00
10.00%, ₹100.00 shares at ₹125.00
6.00%, ₹100.00 shares at ₹135.00

(i) 7.00% , ₹100.00 shares at ₹120.00 (ii) 9.00% , ₹100.00 shares at ₹130.00

(iii) 10.00% , ₹100.00 shares at ₹125.00 (iv) 8.00% , ₹100.00 shares at ₹155.00

(v) 6.00% , ₹100.00 shares at ₹135.00

12. Divide ₹178750.00 into two parts such that if one part is invested in 2.00%, ₹100.00 shares at ₹25.00 discount and the other in 3.00%, ₹100.00 shares at ₹50.00 discount , the annual incomes are equal.

(i) ₹55000.00 , ₹123750.00 (ii) ₹123250.00 , ₹55500.00 (iii) ₹124500.00 , ₹54250.00

(iv) ₹125250.00 , ₹53500.00 (v) ₹123750.00 , ₹55000.00

13. Divide ₹152000.00 into two parts such that if one part is invested in 2.00%, ₹100.00 shares at ₹15.00 discount and the other in 4.00%, ₹100.00 shares at ₹50.00 premium , the annual incomes are equal.

(i) ₹80750.00 , ₹71250.00 (ii) ₹71250.00 , ₹80750.00 (iii) ₹82450.00 , ₹69550.00

(iv) ₹81600.00 , ₹70400.00 (v) ₹79250.00 , ₹72750.00

14. Divide ₹255000.00 into two parts such that if one part is invested in 2.00%, ₹100.00 shares at ₹15.00 premium and the other in 4.00%, ₹100.00 shares at ₹30.00 discount , the annual incomes are equal.

(i) ₹195500.00 , ₹59500.00 (ii) ₹197800.00 , ₹57200.00 (iii) ₹59500.00 , ₹195500.00

(iv) ₹196650.00 , ₹58350.00 (v) ₹194800.00 , ₹60200.00

15. Divide ₹416000.00 into two parts such that if one part is invested in 2.00%, ₹100.00 shares at ₹20.00 premium and the other in 3.00%, ₹100.00 shares at ₹40.00 premium , the annual incomes are equal.

(i) ₹182000.00 , ₹234000.00 (ii) ₹234000.00 , ₹182000.00 (iii) ₹235200.00 , ₹180800.00

(iv) ₹236400.00 , ₹179600.00 (v) ₹232600.00 , ₹183400.00

16. A man bought 1750 shares of ₹720.00 par value paying dividend of 7.00% per annum. He sold them when the price became ₹900.00 and invested the proceeds in ₹2025.00 shares, paying 12.00% dividend and quoted at ₹2250.00. Find the change in his annual income.

(i) ₹81890.00 increased (ii) ₹81910.00 increased (iii) ₹81900.00 increased (iv) ₹81900.00 decreased

(v) ₹81910.00 decreased

Assignment Key

1) (i)	2) (i)	3) (ii)	4) (i)	5) (v)	6) (iv)
7) (iv)	8) (ii)	9) (iii)	10) (iv)	11) (iii)	12) (v)
13) (i)	14) (i)	15) (ii)	16) (iii)		