



## MATHS

# BOOKS - PEARSON IIT JEE FOUNDATION

## SHARES AND DIVIDENDS



**1.** Find the market value of Rs. 200 share bought at a premium of Rs. 50.



## 2. If a Rs. 100 share is available at a discount of

Rs. 10, then find the market value of 270 such shares.



3. Satish invests a ceratin amount of money in

200, Rs. 60 shares of a company by paying a

dividend of 8%. Find his annual income from

the investment.



**4.** Karan invests Rs. 18,000 by buying Rs. 100 shares of a company available at a discount of Rs. 10. If the company pays a dividend of 10%, then find the number of shares bought by Karan, and the rate of return on his investment.

**5.** Which is a better investment : Rs. 200 shares at Rs. 220 which pay a dividend of 10%, or Rs. 100 shares at Rs. 120 which pay a dividend of 12% ?

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Very Short Answer Type

1. The whole capital divided into small and

equal units are called \_\_\_\_\_.





5. The value at which a share is brought or

sold in the market is called its \_\_\_\_\_.

6. A person who is allotted shares or who buys

shares is called a \_\_\_\_\_ of the company.

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7. Does the face value of a share remain

constant all the time ?

8. Is the market value of a share always constant ?
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9. If a Rs. 180 share is quoted at a premium of

Rs. 27, then the market value of each share is



10. If a Rs. 100 share is available at per, then its

market value is \_\_\_\_\_.

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Short Answer Type

**1.** If Anil bought a Rs. 150 share at a premium of Rs 20 while Raju brought the same kind of share at a discount of Rs. 20 of the same company, then the dividend erned by Anil is



2. Find the market value of 300, Rs. 150 shares

brought at a premium of Rs. 30.



**3.** Find the annual income derived from an investment of Rs. 18,000 in Rs. 150 shares available at Rs. 180 of a company paying 11% dividend.

**View Text Solution** 

**4.** Rs. 60,000 is invested in buying Rs. 120 shares of a company which are available at a premium of 25%. Find the number of shares bought and the annual rate of return on the

investment, if dividend is paid at the rate of

10% per annum.



5. An investment of Rs. 36 on a share earns the

investor a return of 10%. If dividend is 12 % on

each share, then what is its face value ?



**6.** A man invests Rs. 20,000 in Rs. 80 shares of a company available at a premium of Rs. 20. IF the company pays a dividend of 8%, then find

the rate of return on the investment.



**7.** If satish bought 120, Rs. 200 shares of a particular company at a premium of Rs. 24, paying 9% dividend, then find Satish's annual income.



**8.** If an investment of Rs. 42,000 in Rs. 300 shares of a company, paying a dividend of 7%, results in an annual income of Rs. 2100, then find the market value of each share.

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**9.** A person invested Rs. 18,000 in buying Rs. 150 shares of a company which are available at a premium of Rs. 50. If the company pays a 9% dividend, then find the number of shares bought by him and also the annual income he earned from the investment.

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**10.** Which is a better investment, (A) Rs. 60 shares at Rs. 75 paying a dividend of 10% or (B) Rs. 100 share at Rs. 120 paying a dividend of 12% ?



**1.** Naresh invested a certain amount of money in Rs. 100 shares at a discount of Rs. 20 paying a dividend of 7%, while Sahil invested an equal amount in Rs. 90 shares at a discount of Rs. 10 paying a dividend of 8%. Who earns more ?

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**2.** How much should a man invest in 12%, Rs. 150 shares of a company available at a

premium of Rs. 30, if the annual income

earned is to be Rs. 3,600?



**3.** Rupesh invests Rs. 45,000 partly in Rs. 150 shares at Rs. 180 for 8% and partly in Rs. 75 shares at Rs. 135 for 12%. If the annual income from the investments are in the ratio 2 : 3 respectively, then find the investments made by Rupesh in the two types of sphares.



**4.** Rahul invested a certain amount in buying Rs. 25 shares of a company, which pays a dividend of 12%. If the earns 10% per annum on his investment, then find the market value of each share.



**5.** Kavya bought 300, Rs. 50 shares paying a dividend of 8%. If she sold them when the price rose to Rs. 90 and invested the proceeds

in 10%, Rs. 50 shares at Rs. 30, then find the

change in her annual income.





**1.** If a Rs. 200 share is brought at a discount of Rs. 50 and the dividend paid is 9%, then the rate of return is \_\_\_\_\_ per annum.

#### A. 18~%

**B**. 9 %

C. 10%

D. 12~%

#### Answer: D

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**2.** A person invests Rs 20,000 at 20% Rs. 150 shares at a premium of Rs. 50. The income from theses shares in is Rs.

A. 1000

B. 3000

C. 1500

D. 2000

Answer: B

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**3.** If 200, Rs. 100 shares are bought at a premium of Rs. 20, then the total investment made is Rs.

A. 20000

B. 40000

C. 24000

D. 48000

Answer: C

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4. A person invests Rs. 15,000 in Rs. 50 shares

of a company paying 10% dividend. If the

company pays a dividend of Rs. 6250, the market value of each share is \_\_\_\_\_. A. Rs. 8 B. Rs. 10 C. Rs. 12 D. Rs. 7 **Answer: C** 



**5.** A man buys 24 shares at Rs. 150 per share having the par value of Rs. 100. If the dividend is 7.5% per annum, then the ratio of total annual income to his total inverstent is

A. 1:10

**B**. 10:1

C. 1: 20

D. 20:1

#### Answer: C





**6.** The total investment made in buying Rs. X shares at a premium of 25% is Rs. 125 X. The number of shares bought is \_\_\_\_\_.

A. 500

B. 250

C. 125

D. 100

#### Answer: D



**7.** Praveen invests Rs. 24,000 in Rs. 100 shares of a company paying 10% dividend. If his annual income from these shares is Rs. 1200, then the market value of each share is Rs.

A. 100

B. 200

C. 300

#### Answer: B



**8.** Which of the following is/are true for the statement '9%, Rs. 100 shares at Rs. 120' ?

A. Dividend on 1 share = Rs. 9

B. Rate of return is 7.5~%

C. Both (a) and (b)

D. None of these

#### Answer: C



**9.** A man has 62 shares of Rs. 100 each, dividend is 7.5 % per annum. If he wants to increase his annual income by Rs. 150, then he should buy more shares.

A. 20

B.40

D. 30

Answer: A

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**10.** The market value of x, Rs. 50 shares, at a discount of Rs. 10 is Rs. 4000, then x =

A. 10

B. 100

C. 50

D. 75

#### Answer: B





1. A man buys 500, Rs. 10 shares at a premmum

of Rs. 3 on each share. If the rate of dividend is

12%, then the rate of interest received by him

money is \_\_\_\_\_ (approximately).

A. 6.5~%

**B**. 7.5 %

 $\mathsf{C}.\,9.23\,\%$ 

D. 5%

Answer: C

**2.** Rishi bought Rs. 50 shares of a company for Rs. 75 each. The company pays a dividend of 12% per annum. The effective rate of return on his investments is \_\_\_\_\_.

A. 0.06

B. 0.08

C. 0.09

D. 0.1



**3.** If Rs. 56,000 is invested in buying Rs. 120 shares at a discount of Rs.  $16\frac{2}{3}$  %, then find the number of shares bought is \_\_\_\_\_.

A. 2800

B. 560

C. 280

D. 400



**4.** The market value of a share is Rs. 90, itsface value is Rs. 80, and the dividend is 8%. The rate of return is \_\_\_\_\_.

A. 
$$8\frac{1}{3}\%$$
  
B.  $7\frac{1}{9}\%$   
C.  $6\frac{2}{3}\%$   
D.  $5\frac{2}{3}\%$ 



**5.** Ankit invests Rs. 18,000 in huying Rs. 270 shares in a company at a premium of Rs. 30. If the dividend paid is 10% per annum, then Ankit's annual income from these shares is

A. Rs. 162

B. Rs. 1620

C. Rs. 16.20

D. Rs. 16,200

Answer: B

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**6.** Which is a better ivestment: '150%, Rs. 220 shares at Rs. 240 of Company A' or '18%, Rs. 200 shares at Rs. 240 of Company B' ?

A. Company A

B. Company B

C. Both (a) and (b)

D. Cannot say

#### Answer: B



7. Mr Gellard invested Rs. 16,000 in 7%, Rs. 200

shares at Rs. 160. He sold the shares at Rs. 150

each. He incurred a \_\_\_\_\_.

A. loss of Rs. 1300

B. loss of Rs. 1000

C. proft of Rs. 1000

D. profit of Rs. 1200

#### Answer: B

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**8.** Priya invested Rs. 27,000 in Rs. 180 shares at Rs. 150 at the beginning of a financial year. The company paid a dividend of 12%. Priya sold all her shares at the end of the year. Over this

period, her net earnings were Rs. 1828. She

sold the shares for \_\_\_\_ each.

A. Rs. 160.15

B. Rs. 181.75

C. Rs. 185

D. Rs. 138.56

Answer: D



**9.** Teja brought Rs. 80 shares of a company which pays 15% dividend. If the rate of return is 12%, then the market price is \_\_\_\_\_.

A. Rs. 90

B. Rs. 80

C. Rs. 100

D. Rs. 99

#### Answer: C



**10.** Randeep invests Rs. 25,200 in buying shares of face value of Rs. 40 each at 5% premium. The dividend on these shares is 10% per annum. Find the dividend he receives annually.

A. Rs. 2520

B. Rs. 2400

C. Rs. 4200

D. Rs. 3680



**11.** Mr Prudhvi invested Rs. 16,900 in buying shares worth Rs. 100 at a premium of Rs. 30. find the number of shares brought by him.

A. 169

B. 150

C. 130

D. 129

Answer: C



**12.** The dividend received from 10 % Rs. 125 shares at Rs. 150, is Rs. 1875. Find the number of shares.

- A. 125
- B. 150
- C. 270
- D. 135



**13.** Find the market value of 200 shares worth Rs. 120, each bought at a discount of Rs. 20 . (in Rs.)

A. 28000

B. 24000

C. 26000

D. 20000

Answer: D



**14.** Ms Meenakshi invested Rs. 32,400 in buying certain shares of a company. If the amount of dividend received by her is Rs. 4860, then find the rate of return.

A. 0.15

B. 0.12

C. 0.14

D. 0.13

#### Answer: A



**15.** Ms Shriya bought 1000 shares worth Rs. 500 each at 12% premium. Find the market value of each share.

A. Rs. 612

B. Rs. 560

C. Rs. 760

D. Rs. 840



(A) 10%, Rs. 100 shares at Rs. 120.

(B) 9%, Rs. 100 shares at Rs. 110.

#### A. A

B. B

C. Both (A) and (B)

D. Data insufficient

Answer: A

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**2.** Vamsi invested some amount buying Rs. 150 shares of a company which pays dividend at the rate of 8% per annum. If he gets back 10%

per annum on his investment, then the value

at which he bought the shares is \_\_\_\_\_.

A. Rs. 100

B. Rs. 120

C. Rs. 180

D. Rs. 210

**Answer: B** 

**3.** Mr Sirkar bought Rs. 80 shares of a company at a premium of Rs. 10. If the company pays a dividend at the rate of x% per annum, and Mr sirkar earns at the rate of y% per annume on his investment, then x : y is

A. 1:8

**B**. 8:1

C. 8:1

D. 9:8

Answer: D

**4.** Sachin invests Rs. 15,000 on buying Rs. 100 shares of a company at a premium of Rs. 50 and gets  $6\frac{2}{3}$  % per annum on his investment. Then the rate at which the company pays the dividend is \_\_\_\_\_.

A. 5~%

**B.** 8 %

#### **D**. 10 %

#### Answer: D

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**5.** Praveen made aninverstment of Rs. 54,000 in 10 %, Rs. 100 shares at Rs. 90, while Vijay made an investment of Rs. 60,000 in 8%, Rs. 150 shares at Rs. 120. If both of them sold their shares at the end of the year for Rs. 110 each, then their individual earnings are \_\_\_\_ respectively.

A. Rs. 12,000 and Rs. 12,000

B. Rs. 18,000 and Rs. 1000

C. Rs. 12,000 and Rs. 1000

D. Rs. 18,000 and Rs. 1200

Answer: B

**6.** If Rs. 25,000 more invested, then 400 more shares can be purchased. Find the market value of each share.

A. Rs. 62.50

B. Rs. 77.50

C. Rs. 85.00

D. Cannot be determined

Answer: A

**7.** Which of the following is/are true for the statement 15%, Rs. 120 shares at Rs. 200' ?

A. Face value of each share is Rs. 120.

B. Market value of each share is Rs. 200.

C. Dividend from each share is Rs. 18.

D. All of these

Answer: D

**8.** Find the rate of return from 'd % Rs. f at

Rs. *m* '. (in %)

A. fd/m

 $\mathsf{B}.\,md/f$ 

 $\mathsf{C.}\,fm\,/\,d$ 

D. None of these

Answer: A

**9.** Shares worth Rs. 150 each were bought at Rs. 180. Which of the following is necessarily true ?

- A. Each share was bought at Rs. 30 discount.
- B. Each share was bought at Rs. 30 premium.

C. Each share was bought at 30% discount.

D. Each share was bought at 30% premium.

#### Answer: B



**10.** Mrs Pravallika has 100 shares worth Rs. 100 at a premium of Rs. 100. If the rate of dividend is 10%, then find the total dividend received by her at the end of a year. (in Rs.)

A. Rs. 4000

B. Rs. 3000

C. Rs. 2000

D. Rs. 1000

#### Answer: D

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**11.** Mr Anil bought Rs. 110 shares of a company at a discount of Rs. 10. If the company pays a dividend at the rate of x% per annum, and Mr Anil earns at the rate of y% per annum on his investment, then x : y is \_\_\_\_\_.

A. 10:9

**B**. 9: 10

**C**. 11: 10

D. 10:11

#### Answer: D

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**12.** Mr Balu inversted Rs. 15,000 in 10%, Rs. 100 shares at Rs. 120, and also invested Rs. 24,000 in 12%, Rs. 120 shares at Rs. 100. The total earnings from the two investment is \_\_\_\_\_.

A. Rs. 4500

B. Rs. 4706

C. Rs. 4700

D. Rs. 4509

Answer: B

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13. Mrs Apoorva invests Rs. 12,000 in buying Rs.200 shares in a company at a premium of Rs.50. If the dividend paid is 10% per annum, then

Apoorva's annual income from these shares is

A. Rs. 1,020

B. Rs. 960

C. Rs. 840

D. Rs. 780



**14.** Mr krish made an investment of Rs. 27,000 in 10%, Rs. 100 shares at Rs. 90 while Mr Ram made an investment of Rs. 30,000 in 8%, Rs. 150 shares at Rs. 120. If both of them sold their shares at the end of a year for Rs. 110 each, then their individual earnings are \_\_\_\_\_, respectively.

A. Rs. 2000 and Rs. 1200

B. Rs. 1800 and Rs. 1000

C. Rs. 9000 and Rs. 500

D. Rs. 1800 and Rs. 1200

#### Answer: C

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**15.** Mrs karuna invested some amount in buying Rs. 120 shres of a company which pays a dividend at the rate of 10% per annum. If she gets back 8% per annum on her investment, then the value at which she bought the shares .

is \_\_\_\_\_.

A. Rs. 100

B. Rs. 150

C. Rs. 180

D. Rs. 120

Answer: B