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## MATHS

# BOOKS - PEARSON IIT JEE 

## FOUNDATION

## SHARES AND DIVIDENDS

Example

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.

## - Watch Video Solution

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.

## D Watch Video Solution

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
2. The value of a share printed on the share certificate is called its

- Watch Video Solution

3. Dividend is always calculated on the of a share.
4. ____ is the annual profit distributed among the shareholders.
( Watch Video Solution
5. The value at which a share is brought or sold in the market is called its
( Watch Video Solution
6. A person who is allotted shares or who buys
shares is called a ____ of the company.

- Watch Video Solution

7. Does the face value of a share remain constant all the time ?
( Watch Video Solution
8. Is the market value of a share always constant?

- Watch Video Solution

9. If a Rs. 180 share is quoted at a premium of Rs. 27, then the market value of each share is
$\qquad$

D Watch Video Solution
10. If a Rs. 100 share is available at per, then its market value is $\qquad$ .

## D Watch Video Solution

## 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

# dividend earned by Raju. [equal to/less 

than/more than]

## D View Text Solution

2. Find the market value of 300 , Rs. 150 shares
brought at a premium of Rs. 30 .

- Watch Video Solution

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.

## D Watch Video Solution

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 ?

D Watch Video Solution
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.

## - Watch Video Solution

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.

## D Watch Video Solution

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.

## D Watch Video Solution

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 $12 \%$ ?

## D Watch Video Solution

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 ?

## D View Text Solution

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 ?

## D View Text Solution

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.

## D Watch Video Solution

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.

## D View Text Solution

## Level 1

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

## D Watch Video Solution

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

## D View Text Solution

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

## D Watch Video Solution

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 $\qquad$
A. Rs. 8
B. Rs. 10
C. Rs. 12
D. Rs. 7

Answer: C

D View Text Solution
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 $\qquad$ .
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 $\qquad$ .
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
D. 400

Answer: B

## - Watch Video Solution

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

## D Watch Video Solution

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
C. 10
D. 30

Answer: A

## D Watch Video Solution

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
(D) Watch Video Solution

## Level 2

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. $7.5 \%$
C. $9.23 \%$
D. $5 \%$

Answer: C

- Watch Video Solution

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 $\qquad$
A. 0.06
B. 0.08
C. 0.09
D. 0.1

Answer: B
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 $\qquad$
A. 2800
B. 560
C. 280
D. 400

Answer: B
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 $\qquad$ -

$$
\begin{aligned}
& \text { A. } 8 \frac{1}{3} \% \\
& \text { B. } 7 \frac{1}{9} \% \\
& \text { C. } 8 \frac{2}{3} \% \\
& \text { D. } 5 \frac{2}{3} \%
\end{aligned}
$$

## - Watch Video Solution

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

## D Watch Video Solution

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

## D Watch Video Solution

## 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

## D Watch Video Solution

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 $\qquad$ .
A. Rs. 90
B. Rs. 80
C. Rs. 100
D. Rs. 99

Answer: C

D Watch Video Solution
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

Answer: B
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
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
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

## D Watch Video Solution

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

Answer: B

## - Watch Video Solution

## Level 3

1. Which of the following is a better
investment?
(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

## - Watch Video Solution

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 $\qquad$
A. Rs. 100
B. Rs. 120
C. Rs. 180

D. Rs. 210

Answer: B
( Watch Video Solution
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 $\mathrm{x} \%$ per annum, and Mr sirkar earns at the rate of $\mathrm{y} \%$ per annume on his investment, then $x: y$ is $\qquad$ -
A. 1:8
B. 8:1
C. 8:1
D. 9:8
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 $\qquad$
A. $5 \%$
B. $8 \%$
C. $9 \%$

## D. $10 \%$

## Answer: D

## D Watch Video Solution

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

## D Watch Video Solution

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

D Watch Video Solution
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

## - Watch Video Solution

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

Rs. $m^{\prime}$. (in \%)
A. $f d / m$
B. $m d / f$
C. $f m / d$
D. None of these

Answer: A

- Watch Video Solution

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

## D Watch Video Solution

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

## D Watch Video Solution

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 $\mathrm{x} \%$ 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

## D Watch Video Solution

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

D Watch Video Solution
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

Answer: B
( Watch Video Solution
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

## D Watch Video Solution

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 $\qquad$
A. Rs. 100
B. Rs. 150
C. Rs. 180
D. Rs. 120

Answer: B

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