

Section - I

Companies A and B have shares with face value of ₹ 10 each but their market prices are ₹ 45 and ₹ 36 per share respectively. The dividend rates of the companies are 18% and 15%, find out which Company offers higher dividends.

Mr. Ganesh invested ₹ 36,300 in equity shares of ₹ 165 each. He sold the same day at ₹ 185 each. The brokerage was charged at 1% on the (i) Number of shares traded by Mr. Ganesh.

(ii) Amount of gain received by him.

Rajesh purchased 600 units of Birla Equity fund on 1st Feb 2010 at ₹ 95.00 and sold these units on 31st July 2010 at ₹ 115 NAV. It carries exit load of 2%. There is short term capital gain tax of 10% which Rajesh has to pay. Find his net Profit after tax.

There are 10 doctors and 7 engineers in a group. A committee of 5 members

is to be formed. Find the number of ways of forming the committee consisting of :-

(i) 2 doctors and 3 engineers.

(ii) at least 2 doctors.

(iii) at most one doctor.

Solve the following Linear Programming Problem graphically

Maximize $Z = 6x + 7y$

Subject to $2x + 3y \leq 12$

$2x + y \leq 8$

Following table draw a Cumulative frequency curve

the median graphically .

Marks	No of Students
10 - 20	3
20 - 30	5
30 - 40	12
40 - 50	18
50 - 60	14

Also Calculate the Arithmetic mean.

salary of male employees in a firm was ₹ 1560 and that of ₹ 1070, of the mean salary of all employees was ₹ 1300, find the of male and female employees.

ard deviation and coefficient of Variation for the following data.

Age	Number of persons
10 - 20	10
20 - 30	14
30 - 40	12
40 - 50	9
50 - 60	6

ast experience it is known that A Can solve 3 examples

5 and B can solve 4 examples out of 7. An example

both of them to solves independently.

Probability that

both of them solve the example

ving distribution of X find $E(X)$, $V(X)$, $P[x \geq 3]$

	1	2	3	4	5	6
2	0.06	0.10	0.14	0.18	0.22	0.28

e decision tree for the following data, Calculate the EMV and one Can be chosen as the best act.

	State of Nature		
	P Prod 0.5	Q 0.1	R 0.4
	-35	250	550
	120	-350	650
	-100	200	700

ving Pay - off matrix

: the opportunity loss table. and find the best act minimize regret.

the best act using Laplace criteria

Pay Offs acts ↓	State of Nature			
	S1	S2	S3	S4
A_1	20	14	16	11
A_2	17	16	13	13
A_3	15	18	19	18

keeper Promises its Customer to deliver within thirty minutes.

l for Pizzas is as follows.