

DELHI PUBLIC SCHOOL JAMMU ASSIGNMENT(Oct,24)

Class: 10th.

Sub: Math

STATISTICS AND PROBABILITY

Q1. What is the modal class of the following distribution?

class	0-10	10-20	20-30	30-40	40-50	50-60
frequency	5	8	13	38	30	4

Q2. Find median of the following data:

Marks	25-35	35-45	45-55	55-65	65-75
Frequency	7	33	31	17	11

Q3. The mean of the following frequency distribution is 62.8 and the sum of all frequencies is 50. Compute the missing frequencies f_1 and f_2 .

class	0-20	20-40	40-60	60-80	80-100	100-120	total
frequency	5	f_1	10	f_2	7	8	50

Q4. If the median of the following frequency distribution is 32.5. Find the values of f_1 and f_2 .

Class	0-10	10-20	20-30	30-40	40-50	50-60	60-70	Total
frequency	F_1	5	9	12	F_2	3	2	40

Q5 Find mean of the following data:

X_i	30	21	27	15	35
f_i	7	5	6	3	8

Q6. A box contains cards numbered 11 to 123. A card is drawn at random from the box. Find the probability that the number on the drawn card is:

- (i) a square number
- (ii) a multiple of 7

Q7 Two different dice are tossed together. Find the probability:

- i) of getting a doublet
- ii) of getting a sum 10, of the numbers on the two dice.

Q8 Three different coins are tossed together. Find the probability of getting (i)



exactly two heads (it) at least two heads (iii) at least two tails.

Q9 An integer is chosen between 70 and 100. Find the probability that it is (i) a prime number (ii) divisible by 7.

Q10 A die is thrown once. Find the probability of getting a number which (i) is a prime number (ii) lies between 2 and 6.

