TEST - PAPER (CBSE/NCERT)

PROBABILITY PART -1

SESSION -2024-25

CLASS - 12th

JOIN TODAY FOR ADVANCE CONCEPTS ONLY IN ₹3000 PER MONTH

MRP: ₹ 100/- ONLY

ALSO, BASIC CONCEPTS CLASSES IN SUMMER VACATION Apr, May & Jun (Every Year)

DPM CLASSES

6th to 10th (Math's & Science), 11th & 12th (Physics, Chemistry, Math's)

Time: 1.00 hr -; Test - Probability: - mm: 50

B. 1. The probability that attenst one of the two events A and B occurs is 0.6. If A and B occur simultaneously with probability 0.3. Evaluate.

P(A) + P(B).

Q. 2. Two dice are thrown together and the total score is noted. The Events E, F and G, are 'a total of 9 or more' and 'a total divisible by 5' respectively. Calculate P(E). P(F) and P(G) and decide which pairs of Events. if any are independent.

B.3. If A and B are two Events Such that: $P(A) = \frac{1}{2} \cdot P(B) = \frac{1}{3} \text{ and } P(A \cap B) = \frac{1}{4}$ then find:

distribution as given below:

X 0.5 1 1.5 2 (i) Defermine the P(x) K K² 2K² K mean of the distribution.

DPM CLASSES

6th to 10th (Math's & Science), 11th & 12th (Physics, Chemistry, Math's)

Br.5. Three dice are thrown at the Lame time. Aind the probability of getting three two's, if it is known that the Lum of the humbers on the dice was six.

B. G. If ten coins are tossed. Then what is the Probability of getting at least 8 heads ? (GUALION) &

B.7. The probability of a man hitting a firget is 0.25. If he shoots 7 times then what is the probability of his hitting attenst trice 9

1.8. A die is thrown three times. Let x be the 'number of twos seen'. And the expectation of x.

Q.9. The random variable x can take only the values 0.1.2.1 f p(x=0) = p(x=1) = p and $E(x^2) = E[x]$ then find the value of P.

getting an even humber on a foss, then find the variance of the humber of successes.

DPM CLASSES



DPM CLASSES

