

15. PROBABILITY

3 MARK QUESTIONS

1. A bag contains 18 balls out of which, x balls are red (i) If one ball is drawn at random from the bag, then what is the probability that it is red ball? (ii) If 2 more red balls are put in the bag, then the probability of drawing a red ball will be $\frac{9}{8}$ times that of probability of red ball coming in part (i) Find the value of x .
2. Two dice are thrown simultaneously. Find the probability of getting a multiple of 2 on one dice and a multiple of 3 on the other dice.
3. From a well-shuffled pack of 52 cards, few cards of same colour are missing. If $P(\text{drawing a red card}) = \frac{2}{3}$ and $P(\text{drawing a black card}) = \frac{1}{3}$, then which colour of colour are missing and how many?

ANSWERS

1. (i) $\frac{x}{18}$ (ii) $x = 8$ 2. $\frac{11}{36}$ 3. 13 Black Cards

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