

- 14) Two customers Shyam and Ekta are visiting a particular shop in the same week (Tuesday to Sunday) each is equally likely to visit the shop on any day as on another day. What is the probability that both will visit the shop on
- i) the same day ? ii) consecutive day ? iii) different day ?
- 15) All the three face cards of spade are removed from a well shuffled pack of 52 cards & a card is drawn from the remaining pack . Find the probability of getting
- a) a black face card . b) a queen of diamond . c) a spade . d) a black card .
- 16) Savita and Hamida are friends what is the probability that both will have
- i) the same birthday ? ii) different birthday ?
- 17) A letter is chosen at random from the letters of the word "ASSASSI NATION " and the probabilities that the letter chosen is a
- i) vowel ii) consonant
- 18) Cards marked with numbers 5 , 6 , 7 , 8 ,74 are placed in a bag and mixed thoroughly . One card is drawn at random from the bag . Find the probability that the number on the card is a perfect square .
- 19) A bag contains white , black and red balls only . A ball is drawn at random from the bag . The probability of getting a white ball is $\frac{3}{10}$ and that of a black ball is $\frac{2}{5}$. Find the probability of getting a red ball . If the bag contains 20 black balls , then find the total number of balls in the bag .
- 20) Two dice are thrown simultaneously . Determine the probability that the difference of the numbers on the two dice is 2 .

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