

Minor- I: Probability and Statistics

College For Integrated Studies
University of Hyderabad

August 26, 2025

Duration: 60 minutes

Maximum Score: 20 points

Instructor: Dharmendra Kumar

Course Code: MM 212

Instructions: Answers without justification will receive a score of zero.

1. What is the probability of getting a total of 7 or 11 when a pair of fair dice are tossed ? [4]
2. From a group of 12 men and 9 women, how many different committees consisting of 4 men and 5 women can be formed if 2 of the women are feuding and refuse to serve on the committee together ? [4]
3. In a poker hand consisting of 5 cards, find the probability of holding 2 aces and 3 jacks. [4]
4. What is the probability that among 25 people, at least 2 have their birthday on the same day of the year. [4]
5. If 10 new teachers are to be divided among 5 schools, how many divisions are possible if each school must receive 2 teachers ? [4]

All the best !