Course No: CSE 230
Course Title: Discrete Mathematics
Quiz 3 Total: 20
Time: 20 minutes

B

ID: Name: Sec:

1 A jar contains 3 red, 5 green, 2 blue and 6 yellow marbles. A marble is chosen at random from the jar. After replacing it, a second marble is chosen. What is the probability of choosing a green and then a yellow marble? [5]

2. Two dies are rolled, find the probability that the sum is "less than 13" ? [5]

3. A die is rolled and a coin is tossed, find the probability that the die shows an even number and the coin shows a tail. [5]

4. You toss a fair coin three times. Given that you have observed at least one heads, what is the probability that you observe at least two heads? [5]