Dr. Raja Latif. Math-131-01-Term-103-Quiz-5 (Marks: 20)-Ch-8. Probability Aug 10, 11

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NAME: _____, I.D#_____

Question – I. (Marks: 10). Suppose that three students A, B, and C attend their class of Math 131 independently with probabilities 0.80, 0.85, and 0.90, respectively. On a particular day find the probability that

(a) Exactly two students will be present.

(b) At least two students will be present.

(c) Only student B will be present.

(d) A is present if given that B is present.

Question – II. (Marks: 5). Toss a coin and then a die. Find the probability that

(a) A number less than three comes up on the die.

(b) An even number comes up given that a head is obtained.

Question – III. (Marks: 5). From a group of 6 men and 5 women, a committee of 4 persons is made. Find the probability that at least 3 women are selected in the committee.