

Week 2: Assignment 2 The due date for submitting this assignment has passed. Due on 2023-02-08, 23:59 IST. Assignment submitted on 2023-02-05, 11:11 IST 1) Which of the following is not a method for describing a sample space? 1 point oroster or listing tree diagram Offset builder notation Venn diagram Yes, the answer is correct. Score: 1 Accepted Answers: Offset builder notation 2) A club of 4 is to be selected from a group of 12 people. How many possible clubs can be selected? 1 point 395 **495** O 525 Yes, the answer is correct. Score: 1 Accepted Answers: 495 3) Eight individuals are candidates for positions of president, vice president, and treasurer of an organization. How many possibilities of selections 1 point 300 330 336 339 Yes, the answer is correct. Score: 1 Accepted Answers: 4) A college plans to interview 8 students for possible offers of graduate assistantships. The college has three assistantships available. How many 1 point groups of three can the college select? **126 6** 56 **136 130** Yes, the answer is correct. Score: 1 Accepted Answers: 5) company plans to interview 10 recent graduates for possible employment. The company has three positions open. How many groups of three can 1 point the company select? 90 **100 120 130** Yes, the answer is correct. Score: 1 Accepted Answers: 6) Individual outcome of an experiment is called? 1 point O the sample space a sample point an experiment an individual Yes, the answer is correct. Score: 1 Accepted Answers: a sample point 7) Two events having nonzero probabilities 1 point o can be both mutually exclusive and independent annot be both mutually exclusive and independent are always mutually exclusive are always independent

Yes, the answer is correct. Score: 1 Accepted Answers: cannot be both mutually exclusive and independent	
8) On an average 5 % items supplied by manufacturer X are defectives. If a batch of 10 items is inspected: what is the probability that 2 items are defective	1 point
○ 0.065 ◎ 0.075 ○ 0.085 ○ 0.095	
Yes, the answer is correct. Score: 1 Accepted Answers: 0.075	
9) A question paper contains 90 multiple choice questions. There are 4 alternative answers (A, B, C or D) out of which only one is correct. Mr X answers these questions randomly (i.e. without preparation). What is the probability that X gets a score of at least 10 marks?	1 point
● 0.9997○ 0.7894○ 0○ 0.001	
Yes, the answer is correct. Score: 1 Accepted Answers: 0.9997	
10) State true or False: Statement: A distribution can either be discrete or continuous, it can't be both at the same time.	1 point
True False	
Yes, the answer is correct. Score: 1 Accepted Answers: True	