



VIT

Vellore Institute of Technology

SCHOOL OF ADVANCED SCIENCES

Winter Semester 2023-2024

Continuous Assessment Test - I

Programme Name & Branch : B. Tech
Slot : B2 + TB2 + TBB2
Course Name & code : Probability and Statistics & BMAT202L
Exam Duration : 90 Min.

Maximum Marks: 50

Answer ALL Questions

Table with 3 questions. Q1: Find mean, median and mode for the following data. Q2: Life of bulbs produced by two factories A and B. Q3: Probability density function of a random variable X.

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Table with 2 questions. Q4: Find all the marginal and conditional distributions for the following table which represents the joint probability distribution of the discrete random variable (X, Y). Q5: Find the correlation coefficient between the two subjects: Mathematics and Statistics.