

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -1 EXAMINATIONS-2022

B.Tech-III Semester (CS/IT)

COURSE CODE: 18B11CI413

MAX. MARKS: 15

COURSE NAME: Modeling and Simulation Techniques

COURSE CREDITS: 03

MAX. TIME: 1 Hour

Note: All questions are compulsory. Carrying of mobile phone during examinations will be treated as case of unfair means. Marks are indicated against each question in square brackets.

- Q.1 Explain the components of the system with the help of an examples [03 Marks, CO-1]
- Q.2 Explain the discrete and continuous Systems. [02 Marks, CO-1]
- Q.3 Write basic steps of the DES model developments. [02 Marks, CO-1]
- Q.4 Compute the mean and median of $x=[10\ 10\ 10\ 10\ 10\ 40\ 50]$ [02 Marks, CO-2]
- Q.5 What is simulation? , also write the advantages of simulation. [03 Marks, CO-1]
- Q.6 Define the following: [03 Marks, CO-2]
(i) mean (iii) median (iv) mode