JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -1 EXAMINATION- 2025

B. Tech-IV Semester (IT)

COURSE CODE (CREDITS): 19B11CI411 (3)   MAX. MARKS: 15

COURSE NAME: SOFTWARE ENGINEERING PRACTICES

COURSE INSTRUCTORS: MR. PRATEEK   MAX. TIME: 1 Hour

Note: (a) *All questions are compulsory.*

(b) *The use of calculator is allowed.*

(c) *The candidate is allowed to make suitable numeric assumptions wherever required*

for solving problems.

Q.No	Question	CO	Marks
Q1	Define Software Engineering. Differentiate between software and a program. Explain any two characteristics of software.	CO-1	3
Q2	Consider a situation where a software product is to be made with unclear, frequently changing requirements. Also this product involves a lot of user interaction. Identify which life cycle model will be best suitable for developing such product. Justify your answer by explaining that model in detail with advantages & disadvantages.	CO-2	4
Q3	What do you mean by requirement elicitation? Discuss any three methods of requirement elicitation in detail.	CO-2	4
Q4	A project size of 350 KLOC is to be developed. The software development team has average experience on similar type of projects. The project schedule is not very tight. Calculate the effort, development time, average staff size and productivity of the project.	CO-3	4