JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -2 EXAMINATION- 2024

B.Tech-4th Semester (CSE/IT)

COURSE CODE (CREDITS): 19B11CI411 (3)　　　　　MAX. MARKS: 25

COURSE NAME: Software Engineering Practices

COURSE INSTRUCTORS:　Dr. Pankaj Dhiman　　　MAX. TIME: 1 Hour 30 Minutes

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

(b) *The candidate is allowed to make Suitable numeric assumptions wherever required*

for solving problems

Q.No	Question	CO	Marks
Q1	Discuss the benefits and challenges of test automation. Under what circumstances should a team consider automating tests?	[CO-3]	5
Q2	Describe the differences between black-box testing and white-box testing. In what scenarios would you use each strategy	[CO-3]	5
Q3	Define requirement specification. Why is it a critical phase in the software development lifecycle?	[CO-4]	5
Q4	Consider a project to develop a mobile banking application. List at least five functional and five non-functional requirements that should be included in the requirement specification.	[CO-4]	5
Q5	Explain the role of documentation in software maintenance. How can good documentation facilitate the maintenance process?	[CO-4]	5