JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -1 EXAMINATION- 2024

B.Tech-IV Semester (IT/BI)

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

COURSE NAME: Software Engineering Practices

COURSE INSTRUCTORS: Seema Rani   MAX. TIME: 1 Hour

Note: (a)All questions are compulsory.

(b)Marks are indicated against each question in square brackets.

(c) The candidate is allowed to make Suitable numeric assumptions wherever required for solving problems

1. Compare and contrast the characteristics and methodologies of the Waterfall, Spiral, and Prototype software development models.   [CO-1] [3M]

2. Define software crisis and elucidate the differences between software and hardware reliability using the bathtub curve model.   [CO-1] [1+2M]

3. Elaborate four key distinctions between the Rapid Development and Agile software development models with block diagram.   [CO-2] [2M]

4. Briefly Explain software development life cycle along with real life example. [CO-1] [4M]

5. Give overview of the Software Development Life Cycle (SDLC) and illustrate its stages with a real-world example.   [CO-2] [3M]