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JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -1 EXAMINATIONS-2022

B.Tech-IV Semester (IT/IT Minor)

COURSE CODE: 19B11CI411

MAX. MARKS: 15

COURSE NAME: Software Engineering Practices

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.*

Q1. Define the following terms with suitable example

- (i) System, Project and Program
- (ii) Process and Product
- (iii) Verification and Validation

[2+1+2]

Q2. What do you mean by functional and non functional requirements? Give one examples of each one with suitable real life projects. Name any five software engineering principles and justify the importance of modularity in effective software design. [1+1+2+1]

Q3 (a). Make suitable diagrams for the following software development life cycle models: (i) Classical waterfall model (ii) Iterative waterfall model (iii) Spiral Model [1+1+1]

(b) Which software development life cycle model is widely used in software industry and which one is best to cope up with the risks associated with each phase of software development? [1+1]