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JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -2 EXAMINATIONS-2022

B.Tech-VII Semester (CS/IT)

COURSE CODE: 19B1WCI635

MAX. MARKS: 25

COURSE NAME: Architecting Distributed Cloud Applications

COURSE CREDITS: 02

MAX. TIME: 1 Hour 30 Min

*Note: All questions are compulsory. Marks are indicated against each question.*

Section A

- Q1. Compare and contrast Edge computing, Distributed, Fog and Cloud computing with example. (Tabular n Diagrams)? [5]
- Q2. Explain API versioning with example, also comment on leaky RPC? [3]
- Q3. What are the major drawbacks of distributed computing? Also mention few algorithms to deal with the limitations of distributed computing [2]

Section B

- Q1. Diagrammatically explain Fault-Tolerant message processing, also frame the algorithm for the same. [5]
- Q2. How would you gracefully shut down the service instance, explain with the help of algorithm. [5]
- Q3. How would you turn a monolith application into a microservice using service APIs. [5]