

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -1 EXAMINATIONS-2022

B.Tech-III Semester (CS/IT)

COURSE CODE: 19B1WCI635

MAX. MARKS: 15

COURSE NAME: Architecting Distributed Cloud Applications

COURSE CREDITS: 2

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. What are cloud services models, explain with examples? Also mention the extended cloud computing services (2)
- Q2. What is the need of Load balancing in the cloud, also mention few algorithms used to balance the load in the cloud. (2)
- Q3. Who are the major players of the cloud identify the major architectural design challenges faced by them. (2)
- Q4. Differentiate between
- (I) Parallel Computing and Distributed Computing (tabular form) (2)
 - (III) Virtual Machine and Containers (with diagram) (2)
- Q5. Diagrammatically explain Forward and reverse proxy (2)
- Q6. Explain any 6 factors among 12- factor services. (2)
- Q7. Comment on "composing SLA's for dependent micro services". (1)