

Jahangirnagar University
Institute of Information Technology
Professional Masters in IT

Final Examination Summer 2023

Duration: 3 Hours

Course Code: PMIT - 6201

Intake: Fall 2022, Spring 2023

Full Marks: 60

Course Title: Cloud Computing

Do not write anything on the question paper.

There are 7 (seven) questions. Answer any 5 (five) of them.

While answering any question do not break the sub-question sequence inside that question.

1. a. What is cloud computing? What are the challenges of cloud computing? Explain. 4
b. Why distributed computing information is required to understand how cloud computing works? Explain. 2
c. How can a distributed system gain complete transparency? Explain Different level of transparency in distributed system. 6
2. a. What is RPC? How it works? Explain. 6
b. Why it is required to understand software architecture style in distributed system? How data flow architecture works? Explain different types of data flow model. 6
3. a. How grid computing differs from clustered computing? 4
b. What is SOA? How it works? Explain. 6
c. What are the common components that should be considered in SLA? 2
4. a. Briefly describe about the essential characteristics of cloud computing. 6
b. What is availability and reliability? How these two properties can be achieved in cloud computing? Explain. 6
5. a. Briefly describe different benefits of SOA. 6
b. Briefly describe about application level virtualisation with its benefits. 6
6. a. How enterprise gets benefit from cloud? Explain. 6
b. Why an end user should move into cloud? Explain. 6
7. a. What is IaaS? Briefly describe about different components of IaaS. 6
b. How private cloud differs from public cloud? What is the reason of using private cloud? What cloud deployment model is best and why? Explain. 6