

## Jahangirnagar University Professional Masters in IT

2<sup>nd</sup> Semester Final Examination, Summer 2022

Intake: Fall 2021, Spring 2022

Duration: 3 Hours

Full Marks: 60

Course Code: PMIT - 6201

Course Title: Cloud and Mobile Computing

## Do not write anything on the question paper.

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

Î	8.	What is distributed computing? Why it is required to understand cloud computing? Explain.	4
	ħ G.	How grid computing differs from clustered computing? Explain.  Why middleware is important for the design of distributed system. Explain.	5 3
2.	8. b.	Brierly describe the essential characteristics of cloud computing.  Why SLA is important for cloud computing? What are the common centent that must be present in a SLA?	6
	i,	What is multi-tenancy?	2
3	2	What is the principle of paged based distributed shared memory? How it works?	5
	b. c.	What is RPC? How it works? What is the role of a message broker in a distributed system?	5 2
4.	a. b.	Why enterprises will chose to shift their entire system into cloud? Explain What is PnaS? Briefly describe the main components that are offered to the client by PaaS vendor.	6
5.	a.	Why cloud architecture is important? Describe cloud reference model.	6
	b.	Vehicles cloud migration? In how many ways cloud migration may happen?  Describe each way.	6
6	2.	What is SOA? Describe different components of SOA. Describe different benefits of SOA.	6
7	a. b.	What is virtualization? What are the reason of virtualization? Explain. What is execution level virtualization? How it works? Explain.	6