

Guru Nanak Dev Engineering College, Ludhiana

Department of Information Technology

Program	B.Tech.(IT)	Semester	8
Subject Code	PEIT-115	Subject Title	Cloud Infrastructure and Services
Mid Semester Test (MST)No.	2	Course Coordinator(s)	Dr. Kamaljit Kaur
Max. Marks	24	Time Duration	1 hour 30 minutes
Date of MST	14 nov, 2022	Roll Number	

Note: Attempt all questions

Q. No.	Question	COs, RBT level	Marks
Q1	What do you mean by monitoring and management of cloud security ?	CO3, L2	2
Q2	What do you mean by Service level agreement in cloud management ?	CO1, L3	2
Q3	Draw diagram with example and discuss real world case where Network Functions Visualization is utilized.	CO4, L6	4
Q4	Discuss with diagram and examples about Containers and edge computing with openstack in cloud services	CO4, L3	4
Q5	"whenever any cyber attack took place cloud system is ready to manage" – To support this statement provide role of security and how cloud security is going to help by discussing the types of network security and their level of usage with suitable diagram .	CO6, L5	4
Q6	Discuss the role of network security in cloud? Which new threats are faced by cloud computing?	CO2, L4	8

Course Outcomes (CO)

Students will be able to

1	To assess existing hosting platforms and computing paradigms currently being used in industry and academia
2	To comprehend need of data centre, its virtualization techniques and types of clouds.
3	To demonstrate the implementation of cloud by using commercial and open source cloud platforms and its virtualization.
4	To implement cloud-based data storage by considering issues of task partitioning, data partitioning, data synchronization, distributed file system, data replication etc.
5	To teach the distributed computing fundamentals in the context of cloud infrastructure
6	To provide an insight into managing and scheduling of various cloud resources

RBT Classification	Lower Order Thinking Levels (LOTS)	Higher Order Thinking Levels (HOTS)				
		L2	L3	L4	L5	L6
RBT Level Number	L1					
RBT Level Name	Remembering	Understanding	Applying'	Analyzing	Evaluating	Creating