

**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.	1	Course Coordinator(s)	Dr. Kamaljit Kaur
Max. Marks	24	Time Duration	1 hour 30 minutes
Date of MST	Sept, 2022	Roll Number	

**Note:** Attempt all questions

Q. No.	Question	COs, RBT level	Marks
<del>Q1</del>	Name various cloud computing platform databases.	CO3, L2	2
<del>Q2</del>	Differentiate between Cluster and Cloud Computing.	CO1, L5	2
<del>Q3</del>	What is utility computing? Give example. Explain its process and best practices	CO1, L2	4
Q4	Elaborate Architecture of Open stack listing its various components .	CO3, L3	4
<del>Q5</del>	Is there any correlation between Load balancing and Virtualization?	CO2, L5	4
<del>Q6</del>	Discuss different types of Cloud and services provided in cloud.	CO2, L6	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

*(Signature) (Date) (Place) (Signature)*

