

GANPAT UNIVERSITY
U.V.PATEL COLLEGE OF ENGINEERING
B. TECH SEM-VI (CE/IT/CE-AI)
2CEIT603: Cloud Computing
ASSIGNMENT 1

Instructions - The right-most text indicates the Course Outcomes (CO) Numbers, followed by Bloom's taxonomy level of the question, R: Remembering, U: Understanding, A: Applying, N: Analyzing, E: Evaluating, C: Creating

SR. NO.	QUESTIONS	Mapped CO & Bloom's Taxonomy
1	List out desired properties of a distributed system and also discuss different forms of transparency in a distributed system.	1R
2	Define the following terms :1. Utility computing 2. Grid computing 3.Cluster computing. 4.WSDL 5. UDDI	1U
3	Write and discuss essential characteristics of the cloud in detail.	1U
4	Compare and contrast the scalability of cloud-based and on-premises IT infrastructures. Discuss the advantages and disadvantages of each approach.	1N
5	Define SOAP and RESTful web services.	2U
6	Explain the importance of interoperability in web services.	2U
7	Illustrate the concept of fault tolerance in distributed systems.	1A
8	Explain the Remote Method Invocation (RMI) architecture in detail.	2U
9	Discuss the concept of server virtualization in brief.	3U
10	Explain various deployment models of cloud computing.	1U
11	Choose a proper cloud load balancer and its significance in cloud computing. Explain how load balancers distribute incoming traffic across multiple servers in a cloud environment.	3E
12	Discuss Cloud Architecture in brief.	1U
13	Describe the virtual machine provisioning process with proper diagrams and briefly discuss virtual migration techniques.	3U
14	Explain technologies used in web service. Discuss three real-world examples where web service is being used.	2U
15	List and explain four advantages of using IaaS compared to traditional on-premises infrastructure.	1R

Submission Deadline: 27-03-2024

Note: No submission will be accepted after the deadline.