

## **7<sup>th</sup> – CE/IT/CSE**

### **SUB: Cloud Computing**

#### **Question Bank-Theory Exam and Viva**

1. What is Cloud and Cloud Computing?
2. What are the features of Cloud Computing?
3. Explain advantages and disadvantages of cloud computing.
4. Explain cloud deployment/service models.
5. Explain layers of Cloud Computing.
6. Explain cloud computing architecture with diagram.
7. How to create a Virtual machine in Cloud Computing? List out advantages and disadvantages of virtualization.
8. Explain virtual machine and hypervisor.
9. Explain types of virtualization.
10. Explain concept of Web Service.
11. Explain Service Oriented Architecture with XML and WSDL.
12. Explain Utility Computing.

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13. Explain scalability and elasticity.
14. Explain 4 phases of map reduce function.
15. What is job tracker and task tracker?
16. Explain components of openstack architecture.
17. How do multi-tenancy can be achieved in cloud computing?
18. What is difference between single-tenancy and multi-tenancy?
19. Explain 4 approaches of multitenancy.

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20. What is Vulnerability assessment in Cloud Computing?
21. What are the security vulnerabilities of the public cloud platform? How cloud security issues can be handled?
22. Which different tools are available for vulnerability assessment?

- 23.**What is the need for Identity and Access Management in the public cloud?  
How five people can share their Netflix Account? Write necessary steps to perform this task.
- 24.** Explain Trusted Cloud Computing and its 2 Components. In which layer it is used?
- 25.** Explain Microservice/Microservice Architecture.
- 26.** Differentiate Microservice with Monolithic Service.
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- 27.** Explain Mobile cloud Computing.
- 28.**What is Fog Computing? Differentiate it with Cloud Computing.
- 29.** Explain the concept of Green cloud computing.
- 30.** Explain how IOT technology is associated with Cloud Computing.
- 31.** Explain how Big Data technology is associated with Cloud Computing.
- 32.** What is a docker? Explain the importance of a docker container in the cloud.
- 33.** Draw and explain the architecture of Cloudsim with entities.
- 34.** Draw and explain the architecture of Microsoft Azure.