

1. Compare scheduling techniques of virtual machine in cloud.
2. Explain the life cycle of a virtual machine with suitable diagram
3. What is virtual machine provisioning ? Discuss the steps for provisioning in detail.
4. Describe the layered virtualization technology architecture with suitable diagram
5. Paravirtualization **VS.** Fullvirtualization
6. Benefits of cloud computing over the traditional data center
7. Requirements of VMM & the Xen Architecture.
8. What is Hypervisor ? Discuss the different types of Hypervisor.
9. What kind of upfront costs are associated with building your own data center?
10. What are the core components of a data center?
11. Physical server vs. virtual machine
12. Comparative study among AWS, GCP and Azure
13. Types of data centers
14. What defines a modern data center?
15. Difference between Scheduling in Resource Management & Scheduling in Cloud.
16. Difference between Horizontal & Vertical Scaling.
17. What are load balancing algorithms?
18. Describe the EC2 feature in AWS
19. Prepare a case study to mention the current challenges existing in “IRCTC online reservation system” and the role of cloud computing to address these challenges.