

HOME WORK :1

(SUBMIT BEFORE 6.3.2023)

1. Differentiate between centralized computing, Grid computing, cluster computing, utility computing, Distributed computing, parallel computing, mobile computing, serverless computing and cloud computing. Also draw the relationship among them with architecture explanation .
2. Describe the characteristics of cloud computing environments.
3. Discuss the different barriers of cloud computing.
4. What do you understand by service oriented architecture (SOA). How it support cloud computing? Explain.
5. What are the essential characteristics, pros and cons of cloud computing?
6. Explain the keys steps in implementing Cloud computing based applications.
7. Explain Google AppEngine?
8. What is the difference between scalability and elasticity?
9. What is cloud computing? What are the benefits of cloud computing?
10. Explain case studies of IAAS, PAAS & SAAS.
11. Explain workload patterns for cloud computing
12. Explain “pricing model in cloud”.
13. What is on-demand functionality? How is it provided in cloud computing?
14. Why SLA is important in Cloud Computing?
15. What are the most essential things that must be followed before going for cloud computing Architecture design?
16. What does the acronym XaaS stand for ?
17. Explain with diagram the architecture of cloud as per NIST model
18. What are the different datacenters in cloud computing?
19. What are the most essential things that must be followed before going for cloud computing platform?
20. What are the different models for deployment in cloud computing? Explain them with example?
21. Give a case study of how cloud computing has impacted the society as a whole .
22. What are the different service models for cloud computing? Explain them with example? OR
Briefly summarize the cloud computing reference model ?
23. Comparative study among AWS, GCP and Azure
24. Differentiate between professional cloud and personal cloud with examples.
25. How do multi-tenancy advantageous to the success of cloud computing?
26. Explain Jericho cloud cube model & Linthicum model.
27. Explain about cloud service model & cloud computing sub service models
[.refer chapter 4 from shailendra singh course book, oxford]