

K21P 0411

Reg. No. : .....

Name : .....

**VI Semester M.C.A./M.C.A. (Lateral Entry) Degree (C.B.S.S. – Reg./Supple.  
(Including Mercy Chance)/Imp.) Examination, May 2021  
(2014 Admission Onwards)  
Elective – V : MCA6E17 : CLOUD COMPUTING**

Time : 3 Hours

Max. Marks : 80

**SECTION – A**

Answer **any ten** questions. **Each** question carries **three** marks : **(10×3=30)**

1. What are the different layers in cloud computing ?
2. What are the different models for deployment in cloud computing ?
3. What are the advantages of using cloud computing ?
4. What are the security aspects provided with cloud ?
5. What is the requirement of virtualization platform in implementing cloud ?
6. What are the uses of APIs in cloud services ?
7. Explain AWS, in brief.
8. What is the common storage of PaaS architecture ?
9. What is heartbeat in Hadoop ?
10. Write down the risks of storing data in a cloud.
11. How will you implement storage virtualization at the server level ?
12. State the differences between private and public cloud.

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13. What are the components of cloud computing ?
14. Comparison between desktop virtualization and server virtualization.
15. How do you justify IaaS is a services of a cloud computing ?
16. What are the limitations of the PaaS ?
17. What are the functions of virtualization tools ?
18. What are the scopes of data storage in cloud computing ?
19. Mention the design patterns for cloud applications development.
20. Define RPC.

## SECTION - B

Answer **any five** questions. Each question carries **ten** marks : (5×10=50)

21. What is cloud and cloud computing ? Discuss the architecture of cloud computing.
22. What is virtualization ? Explain how does virtualization work in cloud computing.
23. Explain the SOA architecture and discuss the significance of SOA in cloud computing.
24. For a better performance business, which one would you choose – traditional app or cloud app ? Justify.
25. Differentiate between single-tenant and multi-tenant architecture in cloud. Describe the multi tenancy SaaS cloud architecture.
26. Differentiate SaaS, PaaS and IaaS, in detail. Further elaborate on the type of applications, each of these models best suited for.
27. With neat diagram, explain the characteristic features of client server distributed architecture for cloud application development.

28. Elaborate various programming technologies required for cloud application development. Explain the properties of any two of them.
29. What is Hadoop and how does it relate to cloud ?
30. How do we achieve load balancing in cloud ? Explain.
31. Describe the data base services and their limitations of the cloud computing environment.
32. Explain the OS level virtualization. List the pros and cons of OS level virtualization.
33. Describe the different software tools and their techniques used for virtualization.
34. Mention the different cloud data storage providers, explain the significant features of any two of them briefly.
35. Compare and contrast various features of cloud based backup devices and cloud based database solutions.

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