



Dezyne École College

Bachelor of Computer Application (B.C.A.) Second Year-6th Semester

Cloud Computing

Part A: Short Answer Questions

(10 Questions × 2 Marks = 20 Marks)

(Answer in about 50 words)

1. Define cloud computing.
2. What is cloud virtualization?
3. Mention any two characteristics of cloud computing.
4. Define dynamic infrastructure.
5. What is cloud adoption?
6. Define measured service in cloud models.
7. Mention two differences between public cloud and private cloud.
8. What is meant by “cloud infrastructure self-service”?
9. What is cloud ecosystem?
10. Define cloud sourcing.
11. What do you mean by cloud stack?
12. What is cloud on demand?
13. Define cloud analytics.
14. What is virtual desktop infrastructure?
15. Mention two uses of cloud in software testing.
16. What is a storage cloud?
17. Define server virtualization.
18. What is virtualization benefit in cloud?
19. What is the role of VIO server?
20. Define storage virtualization.
21. What is logical partitioning in virtualization?
22. Mention any two types of cloud service models.
23. What is cloud business process management?
24. Define hypervisor.
25. Name two virtual infrastructure requirements.
26. What is a virtualized data center?
27. Define storage area networks.
28. What is NAS in cloud storage?
29. Mention two examples of information security in cloud.
30. Define hypervisor management software.

Part B: Descriptive/Long Answer Questions

(Attempt any 5 out of 10 × 10 Marks = 50 Marks)

(Answer in about 400 words)

Unit I – Fundamentals of Cloud Computing

31. Explain cloud computing from both business and IT perspectives.
32. Describe the characteristics and requirements of cloud services.
33. What is cloud and dynamic infrastructure? Discuss its benefits.
34. Explain various cloud models and their characteristics.
35. Compare public cloud vs private cloud with examples.

Unit II – Cloud Solutions and Offerings

36. Explain cloud ecosystem and its role in modern businesses.
37. What is cloud business process management? How is it implemented?
38. Explain the concept of cloud stack and its layers.
39. Discuss computing on demand and its business advantages.
40. What is cloud sourcing? Compare it with traditional outsourcing.
41. Define and explain cloud analytics with real-world use cases.
42. Describe cloud-based software testing and its benefits.
43. Discuss the role of information security in cloud environments.
44. Explain virtual desktop infrastructure and how it works.
45. What is storage cloud? Describe its importance and use.

Unit III – Cloud Virtualization Technologies

46. Define virtualization and explain its advantages in cloud computing.
47. What is server virtualization? Explain with examples.
48. Describe the function and need for a VIO server in virtual environments.
49. Explain storage virtualization and its types.
50. What are storage area networks and network attached storage?
51. Discuss the concept of logical partitioning and how it helps virtualization.
52. Explain cloud server virtualization with diagram.
53. What is a virtualized data center? Describe its components.
54. Explain hypervisor types and their role in cloud management.
55. Discuss virtual infrastructure requirements in enterprise-level cloud adoption.

Additional Mixed Questions

56. How does cloud computing improve cost-efficiency and scalability in businesses?
57. Compare traditional IT infrastructure with cloud infrastructure.
58. Discuss the challenges and risks involved in cloud adoption.
59. Explain how cloud computing ensures business continuity and disaster recovery.
60. Describe the security challenges in cloud and how they are handled.