

QUESTION BANK
BCA III YEAR
PAPER-VI
CLOUD COMPUTING

Short Answers Type Questions

1. What are the innovative characteristics of cloud computing?
2. Which are the technologies on which cloud computing relies?
3. Define cloud computing and identify its core features?
4. What are the major advantages of cloud computing?
5. Describe the vision introduced by cloud computing?
6. Explain the cloud ecosystem.
7. What are the disadvantages of virtualization?
8. What does infrastructure-as-a-service refer to?
9. Give the names of some popular software-as-a-service solutions?
10. Give some examples of public cloud?
11. What is Google App Engine?
12. Which is the most common scenario for a private cloud.
13. What are the types of applications that can benefit from cloud computing?
14. What are the most important advantages of cloud technologies for social networking application?
15. What is Windows Azure?
16. Describe Amazon EC2 and its basic features?
17. Discuss the use of hypervisor in cloud computing.
18. Discuss the objective of cloud information security.
19. Describe cloud computing services.
20. Distinguish between authentication and authorization.
21. What are the fundamental principles of cloud security design?
22. Discuss the security challenges in cloud computing.

Long Answers Type Questions

1. What is virtualization? What are its benefits?
2. List and discuss various types of virtualization?
3. Discuss the cloud computing reference model.
4. Describe the basic component of an IaaS-based solution for cloud computing?
5. Provide some examples of IaaS implementation.
6. What are the main characteristics of platform-as-a-service solution?
7. What does the acronym SaaS mean? How does it relate to cloud computing?
8. Classify the various types of clouds.
9. List some of the challenges in cloud computing?
10. Give overview of applications of cloud computing?
11. What fundamental advantages does cloud computing technology bring to scientific applications?
12. Describe how cloud computing technologies can be applied to support remote ECG monitoring?
13. Describe some examples of CRM and ERP implementation based on cloud computing technologies.
14. Describe the major features of the Aneka Application Model.
15. What is AWS? What types of services does it provide?
16. Describe the architecture of Windows Azure.
17. What are basic requirements of a secure cloud software?
18. What are the different approaches to cloud software requirement engineering?
19. Explain the cloud security policy implementation.
20. Explain Virtual LAN (VLAN) and Virtual SAN. Give their benefits.
21. Explain the concept of Map reduce.
22. Discuss the cloud federation stack.
23. Describe the working of Hadoop.

References

1. Buyya, Selvi, "Mastering cloud Computing" TMH Pub
2. KumarSaurabh, "cloud Computing", Wiley Pub
3. Krutz, Vines, "cloud Security", Wiley Pub
4. Velte, "Cloud Computing-A Practical Approach", TMH Pub
5. Socinesky, "Cloud Computing", Wiley Pub