



VI Semester M.C.A./IV Semester M.Sc. Degree Examination, June/July 2018
(CBCS)
COMPUTER SCIENCE
MCA6E10/4E4 : Cloud Computing

Time : 3 Hours

Max. Marks : 70

- Instructions :* 1) Answer any five full questions from Section – A.
2) Answer any four full questions from Section – B.

SECTION – A

Answer any five full questions. Each carries six marks. (5×6=30)

1. What is Cloud Computing ? Explain benefits and need for Cloud Computing.
2. Briefly discuss Cloud Stack ?
3. Explain Cloud Governance.
4. Discuss Server Virtualization in Cloud Computing.
5. Explain SOA Business and IT services in Cloud Computing.
6. Explain e-Business Benchmark in cloud infrastructure.
7. Briefly discuss Virtual Infrastructure requirements in Cloud Computing.
8. Briefly explain Cloud Adoption.

SECTION – B

Answer any four full questions. Each carries ten marks. (4×10=40)

9. Define Cloud Service. Explain Gamut of Cloud Solutions. (2+8)
 10. a) Discuss Information Security in Cloud Computing. 5
b) Explain storage management in the cloud. 5
 11. a) Explain benefits of Virtualization. 5
b) Discuss Storage Virtualization. 5
 12. What is cloud interoperability ? Discuss in cloud environment.
 13. a) Briefly explain Cloud characteristics. 5
b) Explain Cloud Deployment Models. 5
 14. a) Explain the concept of Cloud reference Architecture. 5
b) Explain various applications of Cloud Computing. 5
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SECTION – A

Answer **any 5** questions. **Each** question carries **6** marks. (5×6=30)

1. What is cloud computing ? Enlist and explain essential characteristics of cloud computing as defined by NIST.
2. Discuss the security in public clouds and private clouds.
3. Give a brief account of cloud service models.
4. Discuss the design and implementation of cloud using SOA.
5. Explain the life cycle of a cloud business process model.
6. How can an unauthorized access be detected with the help of virtualization techniques ?
7. Write a short note on Hypervisor management software.
8. In detail discuss the OLTP Benchmark of cloud infrastructure.

SECTION – B

Answer **any 4** questions. **Each** question carries **10** marks. (4×10=40)

9. Discuss various applications of Cloud computing. Explain how cloud computing can be used with respect to Social Networking.
10. What is cloud interoperability ? Discuss the need for interoperability in cloud environment.

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11. Explain the concept of cloud reference architecture and discuss the responsibilities of various actors.
 - ✓ 12. Discuss cloud ecosystem with reference to Microsoft frame work.
 13. How is testing under cloud performed ? Explain the same by taking services based models of cloud computing into consideration. Explain the advantages of cloud based testing.
 - ✓ 14. What is Desktop virtualization ? Discuss the virtual infrastructure requirements ? Explain the benefits virtual infrastructure.
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