

VI Semester M.C.A./IV Semester M.Sc. Degree Examination, June 2017
(CBCS)
COMPUTER SCIENCE
MCA 6E10/4E4 : Cloud Computing

Time : 3 Hours

Max. Marks : 70

Instructions : Answer any 5 from Section – A.
Answer any 4 from Section – B.

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.

P.T.O.



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.
-