Roll No ....

MCA - 503

MCA. V Semester

Examination, December 2015

Cloud Computing

Time : Three Hours

Maximum Marks : 70

Note: i) Answer five questions. In each question part A, B, C is compulsory and D part has internal choice.

ii) All parts of each question are to be attempted at one place.

iii) All questions carry equal marks, out of which part A and B (Max.50 words) carry 2 marks, part C (Max.100 words) carry 3 marks, part D (Max.400 words) carry 7 marks.

iv) Except numericals, Derivation, Design and Drawing etc.

1. a) Define Cloud Computing
   b) List the characteristics of cloud computing.
   c) Explain the various reasons for adopting the cloud computing.
   d) Give a brief description of cloud computing reference model.

OR

Why organizations are adopting the cloud for business and IT perspective? Explain.

2. a) Differentiate between private and public clouds.
   b) Explain Cloud Ecosystem.
   c) Define cloud application architecture.
   d) Explain the objectives of Cloud lifecycles.

OR

Explain the following terms:
i) Virtual desktop infrastructure
ii) Cloud Interoperability and Standards

3. a) Define Virtualization.
   b) What is management virtualization.
   c) Explain the concept of Map reduce.
   d) Explain the various kind of server virtualization.

OR

Explain the following terms:
i) Cloud Governance
ii) VLAN and VSAN

4. a) Define Cloud security.
   b) Explain cloud security services.
   c) Define terms confidentiality, integrity and availability in cloud.
   d) Explain Cloud computing security Architecture.

OR

Explain the following terms:
i) Policy implementation
ii) Virtualization security management

5. a) Define Federated cloud.
   b) Explain Inter Cloud.
   c) Briefly discuss any one of the third-party cloud service.
   d) Explain Market based management of Clouds.

OR

Discuss about the following case studies:
i) Microsoft Azure   ii) Hadoop

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