

Roll No.....

MCA - 503

M.C.A. V Semester

Examination, December 2014

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.

Unit - I

1. a) What best describes the "metered service" characteristic of Cloud computing?
b) Which cloud computing characteristic enables consumers to grow and shrink the demand for resources dynamically?
c) What is a benefit of cloud computing over traditional computing?
d) Explain cloud computing reference model.

Or

Describe the various cloud applications.

Unit - II

2. a) What are the three key components of Virtual Desktop Infrastructure (VDI)?
b) What is a challenge to consumers in adopting a public cloud?

- c.) What describes a hybrid cloud?
d) Describe the scalability and fault tolerance in cloud computing.

Or

Explain the cloud business process management.

Unit - III

3. a) What is a benefit of virtual storage provisioning over traditional provisioning?
b) What describes application virtualization?
c) What is a benefit of block-level storage virtualization?
d) How do Virtual SANs work? Also explain their benefits.

Or

Explain the concepts of Map Reduce.

Unit - IV

4. a) What are the three primary goals of information security?
b) Which security measures should be adopted to prevent virtual machine (VM) theft?
c) Which security process defines the scope of the access rights for a resource?
d) Explain the cloud computing security challenges.

Or

Explain the cloud computing security architecture.

Unit - V

5. a) What describes a community cloud model?
b) What do you mean by High Availability in cloud computing?
c) Which cloud computing capability enables monitoring and reporting resource usage?
d) Explain the Cloud Management and Service Creation Tools.

Or

What is a characteristic of cloud-optimized storage?