

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?
