

Roll No

MCA-503

MCA. V Semester

Examination, December 2016

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) Enlist any four applications of Cloud.
 b) Write any two pros and cons of Cloud Computing.
 c) Differentiate between normal web hosting and paas based web hosting.
 d) Explain Cloud Computing Services and its Business Applications.

OR

Give a Business case explaining why one should go to the Cloud.

Unit - II

2. a) Why should one prefer Public Cloud over Private Cloud?
 b) Discuss how Cloud helps reducing capital expenditure.
 c) What do you understand by Cloud interoperability?
 d) Explain Cloud computing architecture and Cloud components.

OR

Explain in detail the Cloud Ecosystem.

Unit - III

3. a) Define the provisioning of compute resources.
 b) Define the concepts of Map Reduce with example.
 c) Define CPU, Memory and I/O virtualization.
 d) What is the need of Virtualization? Define Server virtualization, Application Virtualization and Presentation Virtualization.

OR

How can a block-level virtualization implementation be used as a data migration tool? Explain how data migration will be accomplished.

Unit - IV

4. a) Which security mechanism provides an effective control for data confidentiality and integrity?
 b) Explain the security awareness in Cloud.
 c) Define distributed Denial-of-Service attack.
 d) Explain in detail, the Security challenges in Cloud Computing.

OR

Explain the data security and virtual machine security in detail.

Unit - V

5. a) What is Amazon SQS?
 b) Define Hadoop Distributed File System.
 c) Mention the services that are provided by Window Azure Operating System.
 d) Explain a user view of Google App Engine with suitable block schematic.

OR

Write short notes on :

- i) Cloud Services Aimed at the Mid-Market.
 ii) Third party cloud services.
