

Total No. of Questions : 8]

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Roll No

MCA-503

M.C.A. V Semester

Examination, December 2020

Cloud Computing

Time : Three Hours

Maximum Marks : 70

Note: i) Attempt any five questions.

ii) All questions carry equal marks.

1. a) Give cloud computing reference model along with its salient features. Describe the terms SAAS, PAAS and IAAS giving examples of each. 7
- b) Discuss different applications of Cloud Computing throwing light over the 7
 - i) Satellite Image Processing
 - ii) Social Networking
2. a) How does Cloud Ecosystem work? 7
- b) Discuss the Cloud Analytics in brief. How does it benefit in today's changed scenario of business? Give example in support your answer. 7
3. a) What is the role of Hypervisor? Discuss the virtualization concept in brief. 7
- b) Discuss in brief the desktop and application virtualization. How does a server virtualization done? 7

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4. a) Discuss the Cloud Computing security issues and challenges in brief. What is Denial of service attack and how it is handled? 7
- b) What is the role of a Data Centre? What are the advantages and challenges in terms of reliability and availability of cloud? 7
5. a) Discuss Market based management of Clouds. Give example of Federated / Inter cloud. 7
- b) What are the advantages and challenges of Cloud Computing keeping in view of the environment? 7
6. a) Describe the phenomena of Map Reduce. Discuss with reference to Big Data and Cloud Computing. 7
- b) Discuss Block and File level storage virtualization in Cloud Computing. 7
7. a) Discuss the concept of Cloud Echo system. How does it affect the environment around us? Suggest the major we should take in order to save the earth. 7
- b) Compare VLAN with VSAN giving their advantages and disadvantages. 7
8. Write short notes on any two of the following: 14
 - a) Hadoop Distributed File System
 - b) Amazon Web Services (AWS)
 - c) Map Reduce
 - d) Green Cloud Computing
