

Exam. Code: 0919

Sub. Code: 7916

2021

B.E. (Computer Science and Engineering)

Seventh Semester

Elective – III

CS-705C: Cloud Computing

Time allowed: 3 Hours

Max. Marks: 50

**NOTE:** Attempt five questions in all, including Question No. 1 which is compulsory and selecting two questions from each Unit.

x-x-x

I. Attempt the following:-

- a) What is the purpose of using APIs in cloud services?
- b) How does Cloud Computing support Resource Pooling?
- c) What is the key distinction between managed and unmanaged cloud storage?
- d) State the compliance issues in opting cloud for deploying applications of organization.
- e) Distinguish between BigTable and BigQuery. (5x2)

### UNIT – I

- II. a) What is Private Cloud? Distinguish between On-Premise and Off-Premise Private Cloud?
- b) What are the advantages of deploying applications in cloud data centers rather than local data centers? (2x5)
- III. a) What are the key functions of a hypervisor? What are the different types of hypervisor? What kind of security attacks are possible on hypervisors?
- b) Discuss memory virtualization and storage virtualization. (6,4)
- IV. a) Highlight the major design criteria for cloud storage solutions.
- b) Elaborate SAN considering communication protocol used, performance and ease of management. (2x5)

### UNIT – II

- V. a) What are various factors that need to be considered by organizations while migrating applications to Cloud?
- b) Define the components of SMAC. (6,4)

P.T.O.

(2)

- VI. a) What are the various challenges of integrating mobile devices with cloud computing?  
b) Discuss dimensions of cloud security. (2x5)
- VII. a) What do you mean by data availability? How does AWS cloud ensure data availability?  
b) Elaborate the features and services supported by Google App Engine. (2x5)

x-x-x