

Exam. Code: 0919
Sub. Code: 7916

1128
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 are major architectural components of cloud computing?
- b) Define hyper jacking.
- c) What do you understand by BigQuery?
- d) List any two security issues with mobile cloud computing.
- e) Elaborate the concept of SMAC? (5x2)

UNIT – I

- II. a) Differentiate between (a) IaaS and PaaS (b) Public Cloud and Community Cloud.
- b) List down five reasons for opting cloud computing over other computing paradigms by most of the organizations. (2x5)
- III. a) Explain Paravirtualization and its pros and cons.
- b) What are hypervisors? Explain different types of hypervisors with example. (2x5)
- IV. a) How can virtual storage containers facilitate effective cloud storage?
- b) Differentiate between NAS and SAN.

UNIT – II

- V. a) Elaborate dimensions of cloud security.
- b) What are various data privacy concerns in cloud computing and how do cloud service providers deal with them? (2x5)
- VI. Elaborate Hadoop framework. Highlight some of its advantages. (10)
- VII. a) Discuss various features of Google App Engine.
- b) How has mobile computing been immensely benefitted by cloud computing services? (2x5)

x-x-x