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B.E. (Computer Science and Engineering)
Seventh Semester
Elective – III
CS-705C: Cloud Computing

Time allowed: 3 Hours   Max. Marks: 50

NOTE: *Attempt <u>five</u> 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) Define resource pooling and on-demand self-service with respect to cloud computing.

   b) Differentiate Type-I and Type-II hypervisors?

   c) What do you mean by managed and unmanaged cloud storage? :

   d) What are some of the legal issues in opting cloud?

   e) Elaborate the concept of SMAC?   (5x2)

UNIT – I

II. a) Mention the scenarios in which it is better to use Public Cloud over Private Cloud.

   b) Discuss Cloud computing Reference Architecture in detail.   (5,5)

III. a) What do you understand by virtualization? What are the various benefits of virtualization in cloud environment?

   b) Discuss software virtualization and data virtualization.   (5,5)

IV. a) Why are most of the organizations preferring cloud storage over in-house storage?

   b) Differentiate between NAS and SAN.   (5,5)

UNIT – II

V.   a) What are various security concerns in Cloud Computing?

   b) Discuss the concept of Map Reduce in Big Data Analytics.   (5,5)

VI. What are the various benefits of offloading data from mobile devices to cloud servers? Also discuss some of the mobile cloud computing applications and issues related to security.   (10)

VII. a) Discuss various features of Microsoft Azure.

   b) Write a short note on IBM Bluemix.   (5,5)

x-x-x