Question Paper Code : 6509

MCA (Semester-IV) Examination, 2018

CLOUD COMPUTING

[MCA4-E3]

Time : Three Hours]   **[Maximum Marks : 70**

Note : Answer **five** questions in all. Question **No.1** is **compulsory**. Besides this, attempt **one** question from each unit.

1. Answer the following in brief :   [3x10=30]

   (a) Define Cloud Computing in detail.

   (b) Explain the major benefits of cloud computing.

   (c) Define the function of Guest OS.

   (d) How cloud services help to run an small enterprise smoothly with minimum technical staff ?

   (e) Define Replication in detail.

   (f) Discuss four main security pillers in cloud services.

6509/100   (1)   [P.T.O.]

(g) Compare Amazon Simple Storage Service with Google Cloud Storage.

(h) Discuss the role of round robin scheduling in load balancing.

(i) Discuss Authorization in terms of Database Security in Cloud Computing.

(j) Discuss the benefits of Sticky Sessions.

UNIT-I

2. (a) State the basic characteristics of Cloud Computing. [5]

(b) Define Hypervisor with its major types and their functioning. [5]

3. Explain Cloud Computing service models in detail.[10]

UNIT-II

4. Explain four cloud deployment models with their characteristics and benefits in detail. [10]

5. Define virtualization with their major types and utilization. [10]

UNIT-III

6. (a) Explain the major differences between Public Cloud and Private Cloud in detail. [5]

(b) Explain the need of load balancing and scalability in terms of Cloud Computing. [5]

7. Explain cloud reference madel with possible security aspects in detail. [10]

UNIT-IV

8. Explain Security and Risk Management (SRM) domain within CSA architecture with neat diagram. [10]

9. Write short notes on any two of the following :

(a) Gamut in clouds. [5]

(b) Cloud Computing for Healthcare. [5]

(c) Role of Penetration testing in cloud security.[5]

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