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21CS72

Seventh Semester B.E./B.Tech. Degree Examination, June/July 2025
Cloud Computing

Time: 3 hrs.

Max. Marks: 100

Note : *Answer any FIVE full questions, choosing ONE full question from each module.*

Module-1

1 a. With neat diagram, explain Cloud Computing reference model. (10 Marks)
  b. List the advantages and disadvantages of cloud computing. (10 Marks)

OR

2 a. Explain the following :
    i) Amazon Web Service (AWS)
    ii) Microsoft Azure
    iii) Hadoop. (10 Marks)
  b. Briefly discuss Historical developments of Cloud computing. (10 Marks)

Module-2

3 a. List and explain characteristics of Virtualized Environments. (10 Marks)
  b. Explain different types of Hardware Virtualization techniques. (10 Marks)

OR

4 a. List and explain Pros and Cons of Virtualization. (10 Marks)
  b. Explain the following in detail : i) Xen   ii) VM ware. (10 Marks)

Module-3

5 a. With a neat diagram, explain Cloud Computing Architecture. (10 Marks)
  b. Explain different types of Clouds. (10 Marks)

OR

6 a. Explain the open challenges faced in Cloud computing in detail. (10 Marks)
  b. Explain the following in detail :
    i) IaaS (Infrastructure or Service)
    ii) Platform or Service
    iii) Software or Service. (10 Marks)

Module-4

7 a. What are the security risk faced by Cloud users? (10 Marks)
  b. Discuss privacy and privacy impact assessment in Cloud security. (10 Marks)

OR

8 a. List and explain Hypervisor Based and VM Based threats. (10 Marks)
  b. Explain the following :
    i) OS Security   ii) Trust in cloud computing. (10 Marks)

Module-5

9 a. What is AWS? What types of Service does it provide? **(10 Marks)**
   b. With a neat diagram, explain Google AppEngine Plat from Architecture. **(10 Marks)**

OR

10 a. What are the most important advantages of Cloud technologies for social networking applications and media applications? **(10 Marks)**
   b. Describe an applications of cloud computing technology in scientific applications.
      (10 Marks)

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