



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

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 : (10 Marks)
 - i) Amazon Web Service (AWS)
 - ii) Microsoft Azure
 - iii) Hadoop.
- 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 : (10 Marks)
 - i) IaaS (Infrastructure or Service)
 - ii) Platform or Service
 - iii) Software or Service.

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 : (10 Marks)
 - i) OS Security
 - ii) Trust in cloud computing.

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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