

6E7106**6E7106**

B.Tech. VI-Sem. (Main) Examination, July - 2023
Computer Science and Engineering (Artificial Intelligence)
6CAI4-06 Cloud Computing
CS,IT,AID,CAI

Time : 3 Hours**Maximum Marks : 70****Instructions to Candidates:**

Attempt all ten questions from Part A, five questions out of Seven questions from Part B and Three questions out of Five questions from Part C.

Schematic diagrams must be shown wherever necessary. Any data you feel missing suitably be assumed and stated clearly. Units of quantities used/calculated must be stated clearly.

Use of following supporting material is permitted during examination. (Mentioned in form No. 205)

PART - A

(Answer should be given up to 25 words only)

All questions are compulsory.

(10×2=20)

1. What is Cloud Computing? Write the objectives of cloud computing.
2. What is Hypervisor in cloud computing. Write its types with definition.
3. What do you mean by Ubiquitous cloud?
4. What is IOT? Name different fields in which IOT is used.
5. List High Level Languages used for cloud computing.
6. Explain CRM in cloud.
7. Explain Trust Management and its need in cloud computing.
8. Describe all the threats in cloud computing and why risk mitigation is used?
9. What is Amazon SQS? How buffer is used to Amazon web services?
10. Explain characteristics of cloud computing.

PART - B
(Analytical/Problem solving questions)

(5×4=20)

Attempt any **Five** questions.

1. Write short note on a) Server Virtualization b) Virtualization of data-center.
2. Explain all the service models and types of clouds.
3. Describe Service Level Agreement(SLA) with proper diagram. Write its advantages and disadvantages.
4. What is Aneka? Describe main Characteristics of Aneka?
5. Describe cloud deployment model with proper diagram.
6. Explain Business Continuity and disaster recovery in cloud computing.
7. Explain Security Challenges and security architecture(with proper diagram) in cloud computing.

PART - C

(Descriptive/Analytical/Problem Solving/Design question)

Attempt any **Three** questions.

(3×10=30)

1. What is Virtualization? Explain implementation level of Virtualization along with the benefits of Virtualization.
2. Describe and differentiate among Amazon web services, Google App Engine and Microsoft Azure Design.
3. Illustrate the use of Hadoop in cloud computing and what is Map Reduce framework.
4. Explain cloud security service along with design principles and security challenges in detail.
5. Explain the Migration process in cloud computing. Explain all the steps for migration with proper diagram.