



RAN-2211000106010002

Third Year Bachelor of Computer Applications (Sem. - VI) Examination September - 2025 Fundamentals of Cloud Computing

Time: 3 Hours]

[Total Marks: 70

સૂચના : / Instructions

- (1) ઉપરોક્ત દર્શાવેલ વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the above details on your answer book.

Seat No.:

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Student's Signature

Q. 1. Answer in short (any 7) (14)

1. What is the difference between block and file storage?
2. What do you mean by cloud in cloud computing?
3. What are the infrastructure component of Cloud? List 3 cloud provider name.
4. Explain utility computing.
5. What is the difference between NaaS and DaaS?
6. Define Big Data. List out challenges of Big Data.
7. What do you mean by Hybrid Cloud? List out its disadvantages.
8. Explain emulation.

Q. 2. Answer the following question (any 2) (14)

1. Discuss characteristics of cloud computing.
2. Explain IaaS and PaaS model in detail with its advantage and disadvantages.

OR

1. Explain advantages and disadvantages of Cloud Computing.
2. Explain public and private deployment model. Give the difference between them.

Q. 3. Answer the following question (any 2) (14)

1. Explain Full virtualization in detail.
2. Discuss Hypervisor. Compare Type 1 and Type 2 Hypervisor.
3. Write a note on cloud computing architecture.

Q. 4. Answer the following question (any 2) (14)

1. Explain data lake. Give difference between data lake and Data warehouse.
2. Explain data storage application in details.
3. What is CSA? Explain in detail.

Q. 5. Answer the following question (any 2) (14)

1. Compare traditional database and bigdata.
2. Explain OLTP with example.
3. Explain SOA.