

2211000106010002
EXAMINATION FEBRUARY - 2024
BACHELOR OF COMPUTER APPLICATIONS
(SIXTH SEMESTER)
FUNDAMENTALS OF CLOUD COMPUTING

[Time: Three Hours]

[Max. Marks: 70]

Instructions: 1. Fill up strictly the following details on your answer book a. Name of the Examination: BACHELOR OF COMPUTER APPLICATIONS (SIXTH SEMESTER) b. Name of the Subject: FUNDAMENTALS OF CLOUD COMPUTING c. Subject Code No: 2211000106010002 2. Sketch neat and labelled diagram wherever necessary. 3. Figures to the right indicate full marks of the question. 4. All questions are compulsory.	Seat No: <table border="1" style="width: 100%; height: 40px; border-collapse: collapse;"><tr><td style="width: 25%; height: 30px;"></td><td style="width: 25%; height: 30px;"></td><td style="width: 25%; height: 30px;"></td><td style="width: 25%; height: 30px;"></td></tr></table> Student's Signature				

Q.1 Answer in short. (Any 7)

[14]

- 1) What is cloud computing?
- 2) Explain type of data used in Big Data.
- 3) List out 4 cloud application used in education.
- 4) Explain ETL.
- 5) List out challenges of Big Data.
- 6) How DaaS and NaaS are different?
- 7) What are various types of storage available in the cloud?
- 8) What is Cloud in Cloud Computing?
- 9) Explain OLTP.

Q.2 Answer the following question. (Any 2)

[14]

- 1) Discuss advantage and disadvantage of cloud computing.
- 2) List out and explain any 2 Cloud service model with pros and cons.

OR

- 1) Explain types of cloud based on its deployment.
- 2) Explain cloud computing architecture.

Q.3 Answer the following question. (Any 2)

[14]

- 1) Explain virtualization with its types.
- 2) Discuss Hypervisor. Compare Type 1 and Type 2 Hypervisor.
- 3) Discuss Services Oriented Architecture with its importance in Cloud Computing.

Q.4 Answer the following question. (Any 2)

[14]

- 1) What is data warehouse? Compare it with Data Lake.
- 2) Explain data storage and back-up application in details.
- 3) Explain Cloud Security Architecture.

Q.5 Answer the following question. (Any 2)

[14]

- 1) What is the difference between traditional database and bigdata.
- 2) Write a note on utility computing?
- 3) Compare OLTP with OLAP.
