

2411000606040002
EXAMINATION FEBRUARY-MARCH 2024
B.SC. (I.T.)(M.SC.(I.T.) 5 YEAR INTEGRATED COURSE)
(SIXTH SEMESTER)
FUNDAMENTALS OF CLOUD COMPUTING - LEVEL 4

[Time: As Per Schedule]

[Max. Marks: 70]

Instructions:

1. Fill up strictly the following details on your answer book

- a. Name of the Examination : **B.SC. (I.T.)(M.SC.(I.T.) 5 YEAR INTEGRATED COURSE)(SIXTH SEMESTER)**
 - b. Name of the Subject : **FUNDAMENTAL OF CLOUD COMPUTING**
 - c. Subject Code No : **2411000606040002**
2. Sketch neat and labelled diagram wherever necessary.
 3. Figures to the right indicate full marks of the question.
 4. All questions are compulsory.
 5. Give example wherever necessary.

Seat No:

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Student's Signature

Q.1 Answer the following in brief. (Any Eight)

16

- a. What is distributed computing?
- b. List out any four communication protocols used for distributed computing and explain any one.
- c. What is Desktop Virtualization?
- d. How does cloud computing differ from traditional IT infrastructure?
- e. When should we use Cold Storage Service of cloud computing?
- f. What is VPC? When it is used?
- g. Define the term Region with cloud computing reference.
- h. What is the role of service-level agreements (SLAs) in cloud computing?

- i. Explain role of Identity and Access Management Service.

Q.2 Do as directed. 18

- a. List out and Explain characteristics of Cloud Computing 6

OR

- a. Differentiate Full Virtualization and Para Virtualization.
- b. Explain Cloud Delivery Models in detail. 6
- c. Differentiate Traditional Computing and Cloud Computing. 6

OR

- c. List different Cloud Service Models. Explain any one in detail along with its limitations.

Q.3 Answer the following in detail. (Any Three) 18

- a. Explain cloud data center architecture.
- b. What are the different types of virtualization? Explain any two in brief.
- c. Write a note on types of Database services offered by cloud providers.
- d. What is virtual private Cloud? Why it is needed? Explain in detail.

Q.4 Explain in detail. (Any Three) 18

- a. Evolution of cloud computing.
- b. Issues and Challenges for Cloud Computing
- c. No-SQL Database Service
- d. Point of Presence (POP)
