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B.C.A. T.Y (Sem – VI)
Examination October-2023
Fundamentals Of Cloud Computing

Seat No:

Student's Signature

[Time: Three Hours]   [Max. marks: 70]

Instructions: 1)   All questions are compulsory.
                          2)   Marks are indicated to the right side of the Question

Q.1   Answer in brief (Any Seven)   **14**

1. What does network as service refer to?
2. Discuss the use of hypervisor in cloud computing
3. List the challenges in cloud.
4. What is thin client?
5. List the business applications of cloud.
6. Define the term big data.
7. Define cloud stack
8. Explain SaaS
9. What is hybrid cloud?

Q.2   a.   Answer following (Any two)   **10**

1. Explain the characteristics of cloud computing
2. Explain the cloud layered architecture
3. Explain cloud storage with proper example

b.   Differentiate (Any Two)   **06**

1. Managed and unmanaged storage class
2. OLTP and OLAP
3. Data warehouse and data lake

Q.3   Answer in brief (Any Two):   **14**

1. What is virtualization? What are its benefits?
2. Explain in detail about cloud delivery model.
3. Explain in detail the data lake architecture

Q.4   Answer following (Any Two):   **14**

1. List the cloud application. Explain any two applications in detail.
2. Explain the term big data and its sources.
3. Write a note on Cloud Security Alliance

Q.5   Answer Following (Any Two):   **12**

1. Explain the advantages of big data over traditional database
2. Explain the data lake architecture
3. Explain the infrastructure components of cloud.

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