

**2111000306020081**  
**EXAMINATION FEBRUARY-MARCH 2024**  
**BACHELOR OF SCIENCE (SIXTH SEMESTER)**  
**COMPUTER SCIENCE-VI (PAPER-601-CLOUD COMPUTING**  
**FUNDAMENTLS) - LEVEL 2**

[Time: As Per Schedule]

[Max. Marks: 50]

**Instructions:**

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

- a. Name of the Examination : **BACHELOR OF SCIENCE (SIXTH SEMESTER)**
  - b. Name of the Subject : **COMPUTER SCIENCE-VI (PAPER-601-CLOUD COMPUTING FUNDAMENTLS) - LEVEL 2**
  - c. Subject Code No : **2111000306020081**
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:

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Student's Signature

**Q.1 Answer the following questions in short.**

**14**

1. What is community cloud?
2. Discuss any two application examples of SaaS and their demerits.
3. What is the role of data-security in cloud environment?
4. What are virtual clusters?
5. What is service diversification in context of cloud technology?
6. List challenges of cloud computing.
7. What is hypervisor?

**Q.2 Answer the following questions.**

**12**

1. Write a note on evolution of cloud computing.
2. What is public cloud? Explain its advantages and disadvantages.

**OR**

1. What is hybrid cloud? Explain its advantages and disadvantages.
2. What does PaaS provides? Explain any application use case of PaaS with its advantages.

**Q.3 Answer the following questions.**

**12**

1. How does virtualization work in cloud computing?
2. Explain consumer expectations from cloud service provider.

**OR**

1. What are the Security Risks of Cloud Computing? How they can be prevented.
2. Discuss the roles and responsibilities of cloud service provider.

**Q.4 Write answers for the followings. (Any Two)**

**12**

1. Write detail note on cloud migration
2. What is IaaS? Explain its merits and demerits.
3. Write a note on - Role of data center in cloud services

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