

M.Sc. - I (Computer Science) (NEP Pattern) Semester-I  
**NEP-24-1 - Elective-I Paper-IV - Cloud Computing**

P. Pages : 2

Time : Three Hours



**GUG/S/25/15081**

Max. Marks : 80

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- Notes :
1. All the questions are compulsory and carry equal marks.
  2. Draw neat and labeled diagram wherever necessary.
  3. Avoid vague answers and write answer relevant and specific to question only.

**Either:**

1. a) Explain in detail about the Evolution of cloud computing. 8
- b) Discuss about major players in cloud computing. 8

**OR**

- c) Write in detail about various types of clouds. 8
- d) Discuss various benefits and challenges of cloud computing. 8

**Either:**

2. a) What is meant by cloud model? Explain any two in detail. 8
- b) Explain SaaS and PaaS clouds services. 8

**OR**

- c) Explain benefits of cloud models in detail. 8
- d) Write a note on- 8
  - i) Amazon EC2
  - ii) Microsoft Azure

**Either:**

3. a) What is cloud storage? Explain in detail cloud storage providers. 8
- b) Explain schedules and task management. 8

**OR**

- c) Discuss Infrastructure required for cloud computing. 8
- d) Explain in detail about accessing of cloud. 8

**Either:**

4. a) What is Virtualization? Explain in detail Pros and Cons of Virtualization. 8
- b) Explain the following- 8
- i) Open Cloud Consortium.
- ii) Standards for security.

**OR**

- c) Write any one case study on cloud data centre. 8
- d) Write a note on- 8
- i) VMware
- ii) Distributed Management Task force.
5. Attempt all the questions.
- a) Differentiate between intranets and clouds. 4
- b) Explain Hadoop framework. 4
- c) Explain in brief about project management. 4
- d) Explain mobile internet devices. 4

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