

III B. TECH I SEMESTER REGULAR EXAMINATIONS, DECEMBER - 2022
CLOUD COMPUTING**(Common to Civil, Mechanical Branches)****Time: 3 Hours****Max. Marks: 70**

Note: Answer ONE question from each unit (5 × 14 = 70 Marks)
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## UNIT-I

1. a) What is cloud computing? and provide the Characteristics and benefits of cloud computing. [7M]
- b) Provide some examples of media applications that use cloud technologies. [7M]

(OR)

2. a) What are the Essentials of cloud computing? Discuss in brief. [7M]
- b) Explain the limitations of cloud computing. [7M]

## UNIT-II

3. a) Briefly summarize the Cloud Computing Reference Model. [7M]
- b) Discuss in brief about private cloud. [7M]

(OR)

4. a) Explain in detail about Cloud applications and architecture. [7M]
- b) Discuss in brief about Cloud infrastructure models? [7M]

## UNIT-III

5. a) Describe the basic component of an IaaS-based solution for cloud computing? [7M]
- b) Provide some examples of IaaS implementation. [7M]

(OR)

6. a) What are the main characteristics of platform-as-a-service solution? [7M]
- b) What does the acronym SaaS mean? How does it relate to cloud computing? [7M]

## UNIT-IV

7. a) What is virtualization? Discuss its pros and cons. [7M]
- b) Describe about the virtual network. [7M]

(OR)

8. a) How virtualization can be implemented in the context of clusters/grid. [7M]
- b) Elucidate hardware virtualization. [7M]

## UNIT-V

9. a) What are the services offered by EMC IT and Captiva Cloud Toolkit? Explain in detail. [7M]
- b) List the cloud services provided by google and explain them in brief. [7M]

(OR)

10. a) Discuss about the VMware in detail. [7M]
- b) Explain about IBM Smart Cloud. [7M]

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