

**R18**

Code No: 155EF

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B. Tech III Year I Semester Examinations, January/February - 2023

**CLOUD COMPUTING**  
(Common to CSBS, CSE(CS))**Time: 3 Hours****Max. Marks: 75**

- Note:** i) Question paper consists of Part A, Part B.  
ii) Part A is compulsory, which carries 25 marks. In Part A, Answer all questions.  
iii) In Part B, Answer any one question from each unit. Each question carries 10 marks and may have a, b as sub questions.

**PART – A****(25 Marks)**

- 1.a) What is Quantum Computing? [2]
- b) List out merits and demerits of Grid Computing. [3]
- c) List Principles of Cloud computing. [2]
- d) Define Cloud Computing. [3]
- e) Write any four applications of Cloud Computing. [2]
- f) What are the phases of Cloud Migration? [3]
- g) Outline Characteristics of SaaS. [2]
- h) Illustrate Pros and Cons of IaaS. [3]
- i) Demonstrate importance of Google App Engine. [2]
- j) What is the importance of SharePoint? [3]

**PART – B****(50 Marks)**

- 2.a) Explain the importance of Parallel Computing.
  - b) Differentiate between grid computing and cloud computing. [5+5]
- OR**
- 3.a) Demonstrate the importance of cluster computing and it's applications.
  - b) Explain motivation and features of cloud computing. [5+5]
- 4.a) Explain the service of cloud computing as a Platform.
  - b) Elaborate four cloud deployment models. List each model pros and cons. [5+5]
- OR**
- 5.a) Explain five essential characteristics of cloud computing.
  - b) Explain cloud computing deployment models. [5+5]
- 6.a) Discuss network connectivity in cloud computing.
  - b) Explain cloud architecture with neat diagram. [5+5]
- OR**
- 7.a) Justify the phases of cloud migration approaches for real time applications.
  - b) Explain anatomy of the cloud with neat diagram. [5+5]

- 8.a) Explain the suitability and characteristics of IaaS(Infrastructure-as-a -Service).  
b) What is Software-as-a-Service (SaaS)? List the pros and cons of SaaS. [5+5]

**OR**

- 9.a) Explain the pros and cons of PaaS(Platform-as-a -Service).  
b) Interpret additional cloud Service models with example. [5+5]

10. Elaborate the following concepts:  
a) EMC IT  
b) VMware  
c) Google Cloud Connect. [10]

**OR**

- 11.a) Discuss the importance of Amazon Elastic Compute Cloud.  
b) Demonstrate how IBM Smart Cloud is useful for real-time applications. [5+5]

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