

**R16**

**Code No: 137BC**

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**

**B. Tech IV Year I Semester Examinations, July/August - 2023**

**CLOUD COMPUTING**

**(Common to CSE, IT)**

**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 do you mean by Nano computing? [2]
- b) Explain the purpose of nodes in cluster computing? [3]
- c) Define cloud computing? [2]
- d) Describe about SaaS. [3]
- e) What are the unique properties of cloud applications? [2]
- f) What do you mean by Public Cloud Access Networking? [3]
- g) What is private cloud? [2]
- h) What is SLA Mangement in Cloud? [3]
- i) What is IBM Smart Cloud? [2]
- j) Write about Windows Azure. [3]

**PART – B**

**(50 Marks)**

- 2.a) Explain the characteristics of high performance computing. [5]
  - b) Compare grid computing with electric power grid. [5]
- OR**
- 3.a) Describe the features of parallel computing. [5]
  - b) Explain the working of optical computing. [5]
- 4.a) Discuss the need of cloud computing. [5]
  - b) Give the drawbacks of Cloud Computing paradigm. [5]
- OR**
5. Explain the four Cloud Deployment models. [10]
- 6.a) Explain the anatomy of a cloud. [5]
  - b) Describe the management of cloud application. [5]
- OR**
- 7.a) Explain the phases of cloud migration. [5]
  - b) Explain the features that make cloud applications unique. [5]

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- 8.a) Explain the suitability of IaaS.
- b) Write short notes on the deployment and delivery of cloud service models with a neat diagram. [5+5]

QA QA QA QA QA QA QA QA QA G

9.a) What are the Services provided by PaaS? Discuss in detail.

- b) Mention the characteristics of SaaS. [5+5]

- 10.a) Explain the Amazon Web Services.
- b) Give short note on Aneka platform. [5+5]

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11.a) Describe the sales cloud in Salesforce.

- b) Explain the Virtualization Services Provided by SAP. [5+5]

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