

Code No: 157AW**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 is grid computing? [2]
- b) Explain the features of Bio computing. [3]
- c) What is cloud computing? [2]
- d) Discuss the need for cloud computing. [3]
- e) What is cloud infrastructure? [2]
- f) How do you manage a cloud application? [3]
- g) What is SaaS? [2]
- h) Summarize the difference between PaaS and IaaS. [3]
- i) What is Google App engine? [2]
- j) Explain the Amazon web services. [3]

PART – B**(50 Marks)**

2. Describe the evolutionary trend towards parallel distributed and cloud computing. [10]

OR

- 3.a) What is virtualization? Explain virtualization in Cluster computing? [5+5]
- b) Explain the data model for virtual machine.

- 4.a) Explain the features of infrastructure as a service providers. [5+5]
- b) Explain the characteristics and challenges in cloud computing.

OR

- 5.a) “Cloud computing is a platform”, Justify the statement. [5+5]
- b) Describe the four cloud deployment models.

- 6.a) With respect to cloud computing, explain Scaling a cloud infrastructure. [5+5]
- b) Explain network connectivity in cloud computing.

OR

- 7.a) Explain the anatomy of a cloud. [5+5]
- b) Explain the different phases of cloud migration.

QA QA QA QA QA QA QA G

8.a) What is Infrastructure as a Service (IaaS)? Explain the Characteristics and Suitability of IaaS.

b) Describe the pros and cons of IaaS. [5+5]

9.a) Explain in detail Software-as-a-service? What are the advantages and disadvantages of Software-as-a-service?

b) Explain how SOA is used as a step toward cloud computing. [5+5]

10.a) Explain the Amazon Elastic Compute Cloud (EC2).

b) Write a short note on google cloud connect. [5+5]

11.a) Explain the Virtualization Services Provided by SAP.

b) List out the features of IBM smart cloud. [5+5]

QA QA QA QA QA QA QA G

QA QA QA QA QA QA QA G

QA QA QA QA QA QA QA G

QA QA QA QA QA QA QA G

QA QA QA QA QA QA QA G