

Code No: 126VV**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD****B.Tech III Year II Semester Examinations, December - 2018****CLOUD COMPUTING****(Information Technology)****Time: 3 hours****Max. Marks: 75****Note:** This question paper contains two parts A and B.

Part A is compulsory which carries 25 marks. Answer all questions in Part A. Part B consists of 5 Units. Answer any one full question from each unit. Each question carries 10 marks and may have a, b, c as sub questions.

PART - A**(25 Marks)**

- 1.a) Define cloud. [2]
- b) Write about resources sharing in clusters. [3]
- c) List the layers of cloud. [2]
- d) What is the importance of SaaS? [3]
- e) What is RVWS? [2]
- f) What is a CometCloud? [3]
- g) List the types of SLA. [2]
- h) Differentiate between grid and cloud. [3]
- i) What is the importance of CMMM? [2]
- j) How to achieve production readiness for cloud? [3]

PART - B**(50 Marks)**

2. With respect to cloud computing, list and explain the distribution system models. [10]
OR
3. What is the importance of a virtual machine? What role do they play in cloud computing? [10]
- 4.a) List and explain the types of cloud.
b) What are the desired features of a cloud? [5+5]
OR
- 5.a) What is the reason for SaaS to evolve? What are the various integration models present?
b) List and explain the enterprise applications in Cloud. [5+5]
- 6.a) Explain the importance of Aneka cloud.
b) List and explain the applications of comet cloud. [5+5]
OR
7. Draw the architecture and explain the importance of workflow management systems in cloud. [10]

8. With a neat diagram, explain the model for federated cloud computing. [10]

OR

9. What are the various security consideration issues for federated cloud? Explain. [10]

10.a) Explain the life cycle of cloud service.

b) Explain about the information card. [5+5]

OR

11.a) Distinguish cloud computing from application service provider.

b) Explain about Deming cycle. [5+5]

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