

Dr. Babasaheb Ambedkar Technological University, Lonere-Raigad- 402103
Winter Semester Examination – December 2019

Branch – M. Tech. Computer Science and Information Technology	Sem- I
Subject – Cloud Computing MTCE1104	Marks- 60
Date – 19/12/2019	Time – 3 Hr

Instructions to students

1. Each question carries 12 marks.
2. Attempt any 5 questions of the following.
3. Illustrate your answers with neat sketches, diagram etc., wherever necessary.
4. If some part or parameter is noticed to be missing, you may appropriately assume it and should mention it clearly.

(Marks)

Q.1)

- a) Define cloud computing. Enlist and explain different service models. (6M)
 - b) Discuss distributed and cluster computing. (6M)
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Q.2)

- a) Give an example of Platform as a Service. Explain in detail. (6M)
 - b) Explain any two virtual machine scheduling algorithm. (6M)
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Q.3

- a) Explain the Kernel based virtual machine. (6M)
 - b) What is disaster recovery in cloud computing? Explain benefits of disaster recovery in cloud computing. (6M)
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Q.4

- a) Explain concept of virtual scaling, horizontal scaling and auto scaling in cloud computing. (6M)
 - b) Explain the terms recovery point objective(RPO), recovery time objective(RTO) and disaster recovery plan(DRP) with respect to disaster recovery (6M)
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Q.5

- a) Explain in brief cloud security challenges. (6M)
 - b) Describe types of hypervisor. Also explain why it is necessary to secure hypervisor. (6M)
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Q.6

- a) Discuss the purpose of Open Cloud Consortium(OCC) and Distributed Management Task Force(DMTF) cloud related working groups. (6M)
- b) Explain working of any three cloud compliance regulations that are governing cloud compliance. (6M)

Paper End
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