

22385

24225

03 Hours / 70 Marks

Seat No.

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- Instructions* – (1) All Questions are *Compulsory*.
(2) Answer each next main Question on a new page.
(3) Illustrate your answers with neat sketches wherever necessary.
(4) Figures to the right indicate full marks.
(5) Assume suitable data, if necessary.
(6) Mobile Phone, Pager and any other Electronic Communication devices are not permissible in Examination Hall.

Marks

1. Attempt any FIVE of the following: 10
- a) Define the terms:
 - i) Hot cloning
 - ii) Cold cloning
 - b) Enlist advantage of virtualization.
 - c) Differentiate between type-1 and type-2 hypervisor (Any Two points)
 - d) State any features of cloud IDE.
 - e) State any two challenges of IaaS.
 - f) State the economic benefits of cloud computing.
 - g) Enlist any two drawbacks of traditional data center.

P.T.O.

- 2. Attempt any FOUR of the following:** **12**
- a) Explain the characteristics of virtualization equipment. (Any Three)
 - b) List any three tapes of virtualization.
 - c) State three characteristics of cloud computing.
 - d) Explain advantage of NOSQL over DBMS (Any Three)
 - e) Draw the architecture of cloud computing.
- 3. Attempt any FOUR of the following:** **12**
- a) Describe any three cloud database platform.
 - b) Describe the principal of working of virtual machine.
 - c) Compare parallel and distributed computing.
 - d) Enlist any three tapes of SAN virtualization.
 - e) State the opportunities provided by paas.
- 4. Attempt any THREE of the following:** **12**
- a) Explain challenge of cloud computing.
 - b) Explain network virtualization components.
 - c) Explain the architecture of saas.
 - d) Draw and explain architecture of desktop virtualization.
 - e) Explain support and disaster recovery with respect to impact of virtualization.

- 5. Attempt any THREE of the following:** **12**
- a) Explain the benefits and challenges of
 - i) Private cloud
 - ii) Hybrid cloud
 - b) Describe the various types of storage virtualization.
 - c) Explain virtualization reference model.
 - d) Explain the characteristics of virtualization environment.
 - e) Explain the evolution of cloud computing.
- 6. Attempt any TWO of the following:** **12**
- a) Explain:
 - i) VLAN
 - ii) VPN
 - b) Give the step by step procedure to connect virtual machine to mysql on cloud.
 - c) Describe the cloud computing service models with relevant examples.
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