

Total No. of Questions : 5]

SEAT No. :

P563

[5840]-104

[Total No. of Pages : 6

M.Sc. (Computer Science)
CSDT-114A : CLOUD COMPUTING
(2019 Pattern) (Semester - I)

Time : 2 Hours]

[Max. Marks : 35

Instructions to the candidates:

- 1) *Q. No. 1 is compulsory.*
- 2) *Solve any three questions from Q. 2 to Q. 5.*
- 3) *Questions 2 to 5 carry equal marks.*

Q1) Solve any five of the following:

[5]

- a) Which type of cloud service is provided by Google App Engine?
- b) What is the objective of security governance?
- c) What is the use of virtualization in cloud computing?
- d) Comment on the statement- "Load balancing is an optimization technique".
- e) List out different amazon cloud services.
- f) Define multitenancy.

Q2) Attempt the following:

[10]

- a) i) Explain in short disaster recovery in cloud. **[2]**
- ii) Compare services provided in cloud-SaaS, PaaS, IaaS. **[4]**
- b) Write a note on Amazon S₃ cloud service. **[4]**

Q3) Attempt the following:

[10]

- a) i) Why there is need to monitor system continuously? **[2]**
- ii) Which are various cloud enabling technologies? Explain it. **[4]**
- b) Explain various components of microsoft windows Azure cloud platform, with neat labelled diagram. **[4]**

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Q4) Attempt the following: [10]

- a) i) Define bare metal and hosted architecture of hypervisor. [2]
- ii) What is the concept of virtual clustering? Explain it with Figure. [4]
- b) Which are the different security issues given by Gartner? Explain it. [4]

Q5) Attempt any two of the following. [10]

- a) Write a short note on [5]
 - i) Open nebula
 - ii) Sector/sphere
- b) Describe benefits of cloud computing in detail. [5]
- c) Write a short note on [5]
 - i) Security architecture design
 - ii) Identify and Access management.