

Total No. of Questions : 5]

SEAT No. :

PA-3402

[Total No. of Pages : 6

[5919]-14

M.Sc. (Computer Science)

CSDT - 114 (A) : CLOUD COMPUTING

(2019 Pattern) (Semester - I)

*Time : 2 Hours]*

*[Max. Marks : 35*

*Instructions to the candidates:*

- 1) *Question 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) List the benefits of cloud computing.
- b) Define Hypervisor.
- c) What is grid computing?
- d) List the kind of risks associated with cloud computing.
- e) Which type of cloud service is provided by Amazon EC2?
- f) What is data center?

**Q2)** Attempt the following:

**[10]**

- a)
  - i) Give the disadvantages of cloud computing. **[2]**
  - ii) Write a short note on virtualization. **[4]**
- b) Describe the Amazon cloud services in detail. **[4]**

*P.T.O.*

**Q3) Attempt the following: [10]**

- a) i) Give the importance of cloud security. [2]
- ii) Write a note on cloud development models. [4]
- b) Explain programming environment of Google App Engine. [4]

**Q4) Attempt the following: [10]**

- a) i) What do you mean by load balancing? [2]
- ii) Elaborate data security & application security. [4]
- b) Write a note on Infrastructure-as-a Service. [4]

**Q5) Attempt any two of the following: [10]**

- a) Explain virtual machine provisioning and manageability. [5]
- b) Why security processes are important in Security Architecture Design? [5]
- c) Discuss about emerging cloud software environments in detail. [5]

