

## N-2111000306020081

## Third Year B. Sc. (Computer Science) (Sem. VI) Examination

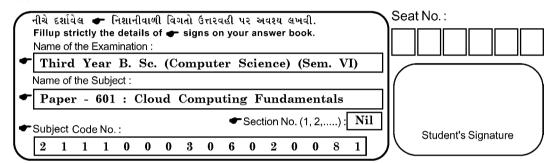
August - 2021

Paper - 601: Cloud Computing Fundamentals

Time: 2 Hours] [Total Marks: 50

## **Instructions:**

**(1)** 



- 1 Answer the following questions in short : (any seven)
  - (a) Explain benefits of virtualization of I/O device.
  - (b) How service level agreement can be helpful in cloud computing?
  - (c) List main obstacles in implementation of cloud computing systems.
  - (d) List main advantages of cloud computing systems.
  - (e) List main step of cloud migration process.
  - (f) Discuss main vulnerabilities of cloud computing system.
  - (g) List main responsibilities of cloud service providers.
  - (h) List main types of clouds as per its use and applications.
  - (i) Explain need of infrastructure for cloud computing system.
  - (j) Explain main activities of data centers.
  - (k) How legal issues can be managed in cloud computing environment?
  - (l) Explain need of diversified services.
  - (m) How volume, velocity and variety of data can be managed through cloud services?
  - (n) Why performance management is very important in cloud computing system?

**14** 

- 2 Answers the following questions: (any two)
  - (a) Discuss various issues associated with poor performance of cloud computing services.
  - (b) Explain various diversified services of cloud computing system.
  - (c) How SOA can be helpful in the implementation of cloud computing system ?
  - (d) Explain role of data centers in implementation of cloud computing system.
- 3 Answer the following questions: (any two)

12

12

- (a) Explain merits and demerits of IaaS, PaaS and SaaS.
- (b) Discuss any one application for each one of IaaS, PaaS and SaaS.
- (c) Explain CPU and memory virtualization.
- (d) How various resources can be managed in cloud computing system?
- 4 Answer the following questions: (any two)

**12** 

- (a) Write a note on history and evaluation of cloud computing.
- (b) Write a note of service level agreement.
- (c) Explain public, private, hybrid and community clouds.
- (d) Explain architecture of cloud computing system.