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

August - 2021

Paper - 601 : Cloud Computing Fundamentals

Time : **2** Hours]   [Total Marks : **50**

Instructions :

(1)

નીચે દર્શાવેલ ☛ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fillup strictly the details of ☛ signs on your answer book.
Name of the Examination :

☛ **Third Year B. Sc. (Computer Science) (Sem. VI)**

Name of the Subject :

☛ **Paper - 601 : Cloud Computing Fundamentals**

☛ Subject Code No. :   ☛ Section No. (1, 2,......) : Nil

| 2 | 1 | 1 | 1 | 0 | 0 | 0 | 3 | 0 | 6 | 0 | 2 | 0 | 0 | 8 | 1 |

Seat No. :

Student's Signature

1 Answer the following questions in short : (any **seven**)   **14**

   (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 ?

2 Answers the following questions : (any **two**)   **12**

   (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**

   (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.

———————