



RAN - 2411000606040002

**RAN-2411000606040002****B. Sc. (IT) (Sem. - VI) Examination March - 2025****Fundamentals of Cloud Computing (Paper - 604)****Time: 3 Hours ]****[ Total Marks: 70****સૂચના : / Instructions**

(1)

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.  
Fill up strictly the details of signs on your answer book

Name of the Examination:

B. Sc. (IT) (Sem. - VI)

Name of the Subject :

Fundamentals of Cloud Computing (Paper - 604)

Subject Code No.: 2411000606040002

Seat No.:

Student's Signature

- (2) All questions are compulsory.  
(3) Give examples wherever applicable.

- Q. 1. Answer following questions. 14**
- a. Discuss evolution of cloud computing. 05  
b. Write a note on characteristics of cloud computing. 06  
c. What is Availability Zone in Cloud Computing? 03
- Q. 2. Answer the following. (Any Two) 14**
- a. Explain the need of cloud computing in brief.  
b. What is virtual machine? How does it work for virtualization?  
c. What is distributed computing? How is it related to cloud computing?
- Q. 3. Answer the following. (Any Two) 14**
- a. Compare private cloud and public cloud.  
b. What is instance based compute service? Explain by giving any one example.  
c. Explain difference between traditional computing and cloud computing in brief.

- Q. 4. Explain the following in detail with example. (Any Two) 14**
- a. Elastic storage service
  - b. Server-less compute service
  - c. Virtual private cloud
- Q. 5. Answer the following. (Any Two) 14**
- a. Write a note on architecture of cloud computing data center.
  - b. Differentiate hard virtualization and soft virtualization.
  - c. Write a brief note on parallel computing.
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