

Roll No. 

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Total No. of Pages : 02

Total No. of Questions : 07

**BCA (Sem.-5)**  
**CLOUD COMPUTING**  
Subject Code : UGCA1936  
M.Code : 90319  
Date of Examination : 17-05-23

Time : 3 Hrs.

Max. Marks : 60

**INSTRUCTIONS TO CANDIDATES :**

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains SIX questions carrying TEN marks each and students have to attempt any FOUR questions.

**SECTION-A**

**1. Write briefly :**

- a) Define cloud computing and identify its core features.
- b) What is virtualization?
- c) List some of the challenges in cloud computing.
- d) Give an overview of the applications of Cloud Computing.
- e) What are the main characteristics of platform-as-a-services solution?
- f) Explain the cloud Ecosystem.
- g) Discuss the use of hypervisor in cloud computing.
- h) Distinguish between authentication and authorization.
- i) Discuss Elasticity vs. Scalability.
- j) What is Windows Azure?

## SECTION-B

2. What is a Cloud? Write a note on types of clouds. Also, describe the Cloud Computing Services.
3. Explain the following :
  - a) Cluster Computing
  - b) Distributed Computing
  - c) Utility Computing
  - d) Grid Computing
  - e) Cloud Computing.
4.
  - a) Describe, how cloud computing technologies can be applied to support remote ECG monitoring?
  - b) List and discuss various types of virtualization.
5. Explain the architecture of Microsoft Hyper-V. Discuss its use in cloud computing and infrastructure management.
6. Explain the cloud deployment models. What are the differences between Public Clouds and Private Clouds?
7. Discuss the different services offered by Google AppEngine.

**NOTE : Disclosure of Identity by writing Mobile No. or Marking of passing request on any paper of Answer Sheet will lead to UMC against the Student.**