

No. of Printed Pages : 06

Roll No. ....

**48580**

**B.C.A. EXAMINATION, 2022**

(Fifth Semester)

(2021-22 Onwards)

**INTRODUCTION TO CLOUD COMPUTING**

*Time : 3 Hours]*

*[Maximum Marks : 80*

**Note :** Attempt all Sections.

**Section A**

**Note :** Attempt all Twelve Questions of 1 mark each.  $1 \times 12 = 12$

Explain the following :

1. ✓ Features of Cloud
2. ✓ Cloud Computing
3. ✓ Infrastructure as a service

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- ✓ 4. Integration Methodologies
5. The Onset of Knowledge Era
- ✓ 6. Virtual Machine
7. Uses of Enterprise Cloud Technology
8. Dynamic ICT Services
9. Utilizing clouds for Workflow Execution
- ✓ 10. Private Cloud
11. Workflow Management System
12. Cloud storage from LAN to WAN.

### Section B

**Note :** Attempt all Four questions 3 marks each.

$$3 \times 4 = 12$$

- ✓ 1. Explain the concept of software as a Service in detail.
- ✓ 2. What do you mean by Integration Methodologies ? Explain.



3. Explain logical design of cluster as a service in detail.
4. Explain the concept of Dynamic Data Centre in detail.

### Section C

**Note :** Section C comprises of four questions of 6 marks each, one from each Unit. Each question shall have two alternatives, out of which student will be required to attempt one.  $4 \times 6 = 24$

#### Unit I

1. Explain the Layers of Cloud in detail.

*Or*

Explain the Seven Step Model of Migration into a cloud in detail.

#### Unit II

2. Explain the concept of cloud supply chain in detail.

*Or*

Explain the SaaS integration Enigma in detail.

### Unit III

- ✓ 3. Explain the concept of Logical Design of cluster as a service in detail.

*Or*

Explain the Anatomy of Cloud infrastructure in detail.

### Unit IV

- ✓ 4. Explain the importance of Quality and Security in cloud in detail.

*Or*

Explain the concept of Hybrid cloud implementation in detail.

### Section D

**Note :** Section D comprises of four questions of 8 marks each, *one* from each Unit. Each question shall have two alternatives, out of which student will be required to attempt one.

$$8 \times 4 = 32$$



### Unit I

1. Explain the types of cloud in detail.

*Or*

Explain the Broad Approaches of Migrating to a cloud in detail.

### Unit II

2. Explain the issues of Enterprise Applications on cloud in detail.

*Or*

Explain the enterprise cloud technology and market evolution in detail.

### Unit III

3. Explain the concept of Virtual machine migration services in detail.

*Or*

Explain scheduling techniques of advanced reservation of capacity in detail.

#### Unit IV

4. ✓ Explain the concept of dynamic ICT service in detail.

*Or*

Explain the concept of workflow management system and clouds in detail.