

**A-1147**

**Total Pages : 3**

**Roll No. ....**

**BCA -EC**

**Cloud Computing**

Examination February, 2026

Time : 2:00 Hrs.

Max. Marks : 70

*Note :-* This paper is of Seventy (70) marks divided into Two (02) Sections 'A' and 'B'. Attempt the questions contained in these Sections according to the detailed instructions given therein. *Candidates should limit their answers to the questions on the given answer sheet. No additional (B) answer sheet will be issued.*

**Section-A**

**Long Answer Type Questions (2×19=38)**

*Note :-* Section 'A' contains Five (05) Long-answer type questions of Nineteen (19) marks each. Learners are required to answer any *two* (02) questions only.

**A-1147**

( 1 )

P.T.O.

1. What is cloud computing ? With neat diagram, explain the cloud computing reference model.
2. Differentiate between IaaS, PaaS, and SaaS with one example for each one in detail.
3. Explain the reasons for the introduction of storage area networks (SANs) and their properties.
4. Compare the benefits and the potential problems due to virtualization on public, private, and hybrid clouds.
5. How to Establish an AWS account. Explain How to Use the AWS Management Console to launch an EC2 instance and connect to it.

### **Section–B**

#### **Short Answer Type Questions (4×8=32)**

**Note** :- Section ‘B’ contains Eight (08) Short-answer type questions of Eight (08) marks each. Learners are required to answer any *four* (04) questions only.

1. Write a neat diagram explain cloud service life-cycle.
2. List and briefly explain any *four* cloud security threats.

3. What is data replication ? How does it help in cloud data management ?
4. Define Grid Computing.
5. What are the features of Google App Engine ?
6. Define the role and benefit of virtualization in the cloud.
7. List Major challenges faced by cloud computing.
8. What is virtualization ? Explain different types of virtualizations.

\*\*\*\*\*