

Roll No. : .....

Total No. of Questions : 16 ]

[ Total No. of Printed Pages : 3

# **SEMC-241**

**M.Sc. (IInd Semester) Examination, 2022**

**COMPUTER SCIENCE (Lateral Entry)**

Paper - FS-COMP-MCSLE-CC-203 (A)

**(Cloud Computing)**

*Time : 1½ Hours ]*

*[ Maximum Marks : 40*

*Note :-* The question paper contains three Sections.

**Section-A**

**(Marks : 1 × 10 = 10)**

*Note :-* Answer all *ten* questions (Answer limit **50** words). Each question carries  
1 mark.

**Section-B**

**(Marks : 3 × 5 = 15)**

*Note :-* Answer any *five* questions by selecting at least *one* question from each Unit  
(Answer limit **200** words). Each question carries **3** marks.

**Section-C**

**(Marks : 5 × 3 = 15)**

*Note :-* Answer any *three* questions by selecting *one* from each Unit (Answer limit  
**500** words). Each question carries **5** marks.

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## **Section–A**

1. (i) Define Cloud.
- (ii) Explain the various services provided by Cloud.
- (iii) Define Virtualization.
- (iv) What is Hypervisor ?
- (v) What is the need of Cloud in an organization ?
- (vi) Differentiate between On-premises and Off-premises Cloud.
- (vii) Define SaaS and PaaS.
- (viii) What is Data Center ?
- (ix) What are the various risks in Cloud Based System ?
- (x) What is Authentication ? How authentication is important in Cloud Based System.

## **Section–B**

### **Unit–I**

2. Explain the various virtualization techniques and its benefits.
3. Write note on AWS.
4. What is DaaS ? Explain it.

### **Unit–II**

5. What is the difference between Private and Public Cloud ?
6. How can we install Cloud Services ?
7. Write a note on Standards for Cloud Implementation.

### **Unit-III**

8. Write a note on Cloud Security.
9. How data privacy is handled in a Cloud ?
10. Discuss Authentication issues in Cloud Computing.

### **Section-C**

#### **Unit-I**

11. Write a detailed note on Virtualization, its types and benefits.
12. (i) Explain the various functions of Cloud.  
(ii) Write advantages of Cloud.

#### **Unit-II**

13. Explain design and implementation issues of Cloud Computing.
14. Explain advantages and disadvantages of Private, Public and Hybrid Cloud.

#### **Unit-III**

15. Explain data privacy and security issues in Cloud Computing.
16. Write a note on Network Level Security Issues. How these issues can be handled ? Explain.