Subject Code:- AMCA0402

Roll. No:

NOIDA INSTITUTE OF ENGINEERING AND TECHNOLOGY, GREATER NOIDA
(An Autonomous Institute Affiliated to AKTU, Lucknow)
MCA
SEM: IV - THEORY EXAMINATION (2023 - 2024)
Subject: Cloud Computing

Time: 3 Hours   **Max. Marks: 100**

General Instructions:

IMP: *Verify that you have received the question paper with the correct course, code, branch etc.*
*1. This Question paper comprises of **three Sections -A, B, & C.** It consists of Multiple Choice Questions (MCQ's) & Subjective type questions.*
2. Maximum marks for each question are indicated on right -hand side of each question.
3. Illustrate your answers with neat sketches wherever necessary.
4. Assume suitable data if necessary.
5. Preferably, write the answers in sequential order.
6. No sheet should be left blank. Any written material after a blank sheet will not be evaluated/checked.

SECTION-A   20

1. Attempt all parts:-

1-a.   _____ is not a vendor of cloud computing.(CO1)   1

    (a)   Amazon

    (b)   Google

    (c)   Microsoft

    (d)   Blackboard

1-b.   _____ is the main concern related to cloud computing.(CO1)   1

    (a)   Security

    (b)   Cost

    (c)   Space

    (d)   Platforms

1-c.   The term "IAAS" stands for _____.(CO2)   1

    (a)   Platform as a Service

    (b)   Software as a Service

    (c)   Hardware as a Service

    (d)   Infrastructure as a Service

1-d.   In cloud storage, data is stored on multiple _____.(CO2)   1

    (a)   third-party servers

    (b)   first party vendor

    (c)   back end vendor

(d)　none of the above

1-e.　_____ is not a major cloud computing platform.(CO3)　1

(a)　Microsoft Azure

(b)　Amazon EC2

(c)　IBM Deep Blue

(d)　Google 101

1-f.　One of the following is Cloud Platform by Amazon.(CO3)　1

(a)　Azure

(b)　AWS

(c)　Cloudera

(d)　All of the mentioned

1-g.　_____ is a central element of social networking site.(CO4)　1

(a)　Personal profile

(b)　Friends

(c)　Groups

(d)　All of the mentioned

1-h.　CRM is a business philosophy that aims at maximizing _____ in the long run.(CO4)　1

(a)　Organization value

(b)　Customer value

(c)　Business value

(d)　Software value

1-i.　It is an array of servers that are managed by a virtual storage system.(CO5)　1

(a)　Application virtualization

(b)　Network virtualization

(c)　Desktop virtualization

(d)　Storage virtualization

1-j.　It helps a user to have remote access to an application from a server.(CO5)　1

(a)　Application virtualization

(b)　Network virtualization

(c)　Desktop virtualization

(d)　Storage virtualization

2. Attempt all parts:-

2.a.　list out the features of cloud computing.(CO1)　2

2.b.　Explain the benefits of Hybrid cloud.(CO2)　2

2.c.　List out the major players in cloud Computing.(CO3)　2

2.d.　Explain word processing in cloud computing.(CO4)　2

| 2.e. | Define storage Virtualization in cloud computing.(CO5) | 2 |

SECTION-B 30

3. Answer any <u>five</u> of the following:-

3-a.	Explain the limitations of Client-Server Networks.(CO1)	6
3-b.	Explain the basic structure of cloud computing.(CO1)	6
3-c.	Differentiate between Public and Private cloud.(CO2)	6
3-d.	Discuss Platform as a Service(PaaS) and Software as a service(SaaS).(CO2)	6
3-e.	Describe Eucalyptus in cloud computing.(CO3)	6
3.f.	Explain the concept of event management.(CO4)	6
3.g.	List out the importance of desktop virtualization in cloud computing.(CO5)	6

SECTION-C 50

4. Answer any <u>one</u> of the following:-

| 4-a. | Explain the different elements responsible for the origination of cloud computing.(CO1) | 10 |
| 4-b. | Discuss the various challenges of cloud computing.(CO1) | 10 |

5. Answer any <u>one</u> of the following:-

| 5-a. | Explain different types of cloud with suitable examples in detail.(CO2) | 10 |
| 5-b. | Write short notes on following:(CO2)
(a) MaaS
(B) CaaS
(C) DBaaS | 10 |

6. Answer any <u>one</u> of the following:-

| 6-a. | Discuss the four major public cloud providers in detail.(CO3) | 10 |
| 6-b. | Differentiate between Cloud Sim and Eucalyptus with diagram.(CO3) | 10 |

7. Answer any <u>one</u> of the following:-

| 7-a. | Explain Salesforce CRM application in detail.(CO4) | 10 |
| 7-b. | Describe about the following in connection with cloud computing:(CO4)
a) Event Management
b)Task Management
c) Word Processing
d) Presentation | 10 |

8. Answer any <u>one</u> of the following:-

| 8-a. | Write short notes on following:(CO5)
(a) Vitual Box
(b) Hyper-V
(C) Xen | 10 |
| 8-b. | Explain virtualization and types of virtualization in detail.(CO5) | 10 |