PAPER ID-410198

Roll No:

BTECH
(SEM VIII) THEORY EXAMINATION 2023-24
CLOUD COMPUTING

TIME: 3 HRS   **M.MARKS: 100**

Note: **1.** Attempt all Sections. If require any missing data; then choose suitably.

SECTION A

1. **Attempt *all* questions in brief.**   **2 x 10 = 20**

Q no.	Question	Marks	CO
a.	Define Cloud Computing.	02	1
b.	What is Open Nebula?	02	1
c.	Give a few examples of Cloud Services	02	2
d.	What is Database as a Service?	02	2
e.	Define Groupware.	02	3
f.	What is CRM Management?	02	3
g.	What is Hypervisor?	02	4
h.	Define interpretation.	02	4
i.	Why cloud needs Security?	02	5
j.	List the most common messaging standards used in the cloud.	02	5

SECTION B

2. **Attempt any *three* of the following:**   **3 x 10 = 30**

a.	Describe in detail about the types of cloud and services provided by the cloud.	10	1
b.	Explain: a) Monitoring as a Service b) Communication as a Service	10	2
c.	How CRM Management done on Cloud?	10	3
d.	What is virtualization and define the types of Virtualizations?	10	4
e.	Describe in detail about any two of the following: a) Hadoop b) MapReduce c)VirtualBox	10	5

SECTION C

3. **Attempt any *one* part of the following:**   **1 x 10 = 10**

a.	Draw the cloud architecture and explain each type of component in the cloud computing architecture and the various types of cloud.	10	1
b.	How Cloud is Evolved and brief about history of Cloud?	10	1

4. **Attempt any *one* part of the following:**   **1 x 10 = 10**

a.	Explain:
	     a. Software as a Service
	     b. Platform as a Service
	     c. Infrastructure as a Service
		10	2

b.	There are various market player of cloud computing like amazon, Google, Microsoft and IBM. List the various products of these companies for each service of cloud computing.	10	2

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5.   Attempt any _one_ part of the following: 1 x 10 = 10

a.	What are Emails? How email communication happens using cloud?	10	3
b.	How presentations, Spreadsheets, word processing can use cloud services?	10	3

6.   Attempt any _one_ part of the following: 1 x 10 = 10

a.	Define Xen, KVM, VMware, Virtual Box, Hyper-V.	10	4
b.	Explain virtualization and all its types in detail with proper examples.	10	4

7.   Attempt any _one_ part of the following: 1 x 10 = 10

a.	Explain common standards used in cloud with respect to messaging, security application Developer.	10	5
b.	Describe SaaS security and discuss the importance of SaaS Security. Discuss the elements which makes SaaS applications risky.	10	5