PAPER ID-420211

Roll No: | | | | | | | | | | | | |

BTECH
(SEM VIII) THEORY EXAMINATION 2021-22
CLOUD COMPUTING

Time: 3 Hours   *Total Marks: 100*
Note: Attempt all Sections. If you require any missing data, then choose suitably.

SECTION A

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

Q.no	Questions	Marks	CO
(a)	What do you understand by Cloud Services?	2	2
(b)	Define Cloud Computing.	2	1
(c)	Differentiate between Distributed Computing and Cloud Computing.	2	2
(d)	Define the term Cloud Eco System.	2	1
(e)	What do you mean by the Email Communication over the Cloud?	2	3
(f)	What do you understand by CRM Management?	2	3
(g)	What is the need of Virtualization?	2	4
(h)	What do you mean by full Virtualization?	2	4
(i)	What is the need of Security in Clouds?	2	5
(j)	What are the major challenges faced in Cloud?	2	5

SECTION B

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

Q.no	Questions	Marks	CO
(a)	Describe about the Distributed management Task Force.	10	5
(b)	Describe in detail about the Software as a Service using an example.	10	2
(c)	Describe in detail about the Project Management and Event Management under the Collaborating Cloud Services.	10	3
(d)	Describe in detail about the Virtual Machine monitor.	10	4
(e)	Discuss about the Cloud Adoption method and tell about its security policies.	10	1

SECTION C

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

Q.no	Questions	Marks	CO
(a)	Describe in detail about any two of the following. (i) Hadoop (ii) MapReduce (iii) Virtual Box	10	5
(b)	Describe in detail about the Infrastructure as a Service using an example.	10	2

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

Q.no	Questions	Marks	CO
(a)	Describe in detail about the Types of Clouds and about the Business models around Clouds.	10	1
(b)	Describe in detail about the Word Processing and Spreadsheet under the Collaborating Cloud Services.	10	3

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

Q.no	Questions	Marks	CO
(a)	Discuss about the Interpretation and binary translation under the Virtualization for Cloud.	10	4
(b)	Discuss about the concept of End user access to Cloud computing.	10	5

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

Q.no	Questions	Marks	CO
(a)	How Cloud Computing provides Scalability and Fault tolerance?	10	2
(b)	Describe any two of the following: (i) Eucalyptus (ii) Nimbus (iii) CloudSim	10	1

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

Q.no	Questions	Marks	CO
(a)	What is the difference between process virtual machines, host VMMs and native VMMs?	10	3
(b)	Explain the Cloud Computing security architecture using suitable block diagram.	10	4