

Subject Code: XXXXX

Roll No:

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**BTECH
(SEM-7) CLOUD COMPUTING 2021-22**

TIME:3 HOUR

Total Marks: 100

Instruction: Attempt the questions as per the given instructions. Assume missing data suitably.

SECTION - A

Attempt *All Parts* in Brief

2*10 = 20

Q1	Questions	Marks
(a)	Define threat Agents ? Explain their role in cloud security.	2
(b)	What are security services in the cloud ?	2
(c)	What is encryption ? Define the types of encryption.	2
(d)	What is utility computing ?	2
(e)	What is IaaS, PaaS, and SaaS ?	2
(f)	What is VM network routing ?	2
(g)	Give some examples of Web 2.0 applications.	2
(h)	What are IaaS, PaaS and SaaS ?	2
(i)	What are security services in the cloud ?	2
(j)	What are modules of Hadoop ?	2

SECTION - B

Attempt <u>Any Three</u> of the following		3*10 = 30
Q2	Questions	Marks
(a)	What is virtual desktop infrastructure ? Explain with diagram.	10
(b)	How does an unauthorized access can be detected by the help of virtualization techniques ?	10
(c)	Take a suitable example and explain the concept of Map Reduces.	10
(d)	Explain cloud computing reference model with diagram.	10
(e)	What is the difference between cloud computing and distributed computing ?	10

SECTION - C		
Attempt <u>Any One</u> of the following		5*10 = 50
Q3	Questions	Marks
(a)	Explain cloud computing security architecture.	10
(b)	Explain infrastructure virtualization and cloud computing solutions with the help of diagram.	10
Q4	Questions	Marks
(a)	What are the different techniques used for of implementation hardware virtualization ? Explain them in detail.	10
(b)	What is load balancing ? What are the advantages of load balancing?	10
Q5	Questions	Marks
(a)	What are the different security challenges in cloud computing ? Discuss each in brief.	10
(b)	What is Honeypot ? What are the different types of Honeypot ?	10
Q6	Questions	Marks
(a)	What do you mean by third party cloud services ? Give suitable examples.	10
(b)	Explain the major cloud features of Google applications engine.	10
Q7	Questions	Marks
(a)	Give a suitable definition of cloud federation stack and explain it in detail.	10
(b)	Write short notes on any two of the followings :	10

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| | <ul style="list-style-type: none">i. HADOOPii. Microsoft Azure | |
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