PAPER ID-410577

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

B.Tech

(SEM VII) THEORY EXAMINATION 2021-22

CLOUD COMPUTING

Time: 3 Hours ***Total Marks: 70***

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

SECTION A

1. Attempt *all* questions in brief. **2 x 7 = 14**

a. What is cloud? Explain its types.
b. What is Hypervisor? Explain its types with diagram.
c. What are the applications of cloud storage?
d. Define threat Agents? Explain their role in cloud security.
e. What are the four levels of cloud federation?
f. What is the role of resource provisioning?
g. What are cloud security controls?

SECTION B

2. Attempt any *three* of the following: **7 x 3 = 21**

a. What is cloud computing? Explain different challenges in cloud computing.
b. Define virtualization. Why virtualization is important in cloud computing?
c. Explain Cloud Computing reference model with diagram.
d. What are the different types of deployment models? Explain each in brief.
e. Explain Infrastructure virtualization and cloud computing solutions with the help of diagram.

SECTION C

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

(a) What are the different techniques used for implementation of hardware virtualization?
(b) Write the advantages and disadvantages of cloud computing.

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

(a) What is virtual desktop infrastructure? Explain with diagram.
(b) Take a suitable example and explain the concept of map reduces.

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

(a) How does an unauthorized access can be detected by the help of virtualization techniques?
(b) Explain Cloud computing security architecture.

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

(a) What are the different security challenges in cloud computing? Discuss each in brief.
(b) What are the different techniques used for implementation of hardware virtualization? Explain them in detail.

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

(a) What do you mean by third party cloud services? Give suitable examples.
(b) Give a suitable definition of cloud federation stack and explain it in detail.

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