

**K. J. Somaiya Institute of Technology, Sion, Mumbai-22**  
(Autonomous College Affiliated to University of Mumbai)

**Supplementary Exam — Feb-March 2024**

(B.Tech) Program: Electronics and Telecommunication Scheme II

Examination: LY Semester: VII

Course Code: EXDLC7044 and Course Name: Cloud Computing & Security

Date of Exam: ~~28~~ 28/2/24

Duration: 2.5 Hours

Max. Marks: 60

**Instructions:**

- (1) All questions are compulsory.
- (2) Draw neat diagrams wherever applicable.
- (3) Assume suitable data, if necessary.

		Max. Marks	CO	BT level
<b>Q 1</b>	<b>Solve any six questions out of eight.</b>	<b>12</b>	-	-
i)	What are the advantages of Cloud Computing?	2	CO1	U
ii)	What are the different states of a VM in Xen hypervisor ?	2	CO2	U
iii)	Describe SEaaS	2	CO3	U
iv)	State mobile computing communication modes	2	CO4	R
v)	What is Amazon Lightsail?	2	CO5	U
vi)	What does "role" and "tenant" indicate in OpenStack?	2	CO6	U
vii)	What is QEMU?	2	CO2	R
viii)	What is the relation between the Availability Zone and Region?	2	CO3	U
<b>Q.2</b>	<b>Solve any four questions out of six.</b>	<b>16</b>		
i)	Compare: Public. Private and Hybrid clouds.	4	CO1	Ap
ii)	List and discuss different types of virtualizations. What is the need of virtualization?	4	CO2	U
iii)	Describe Network as a Service	4	CO3	U
iv)	Write short note on Google App Engine (GAE)	4	CO4	U
v)	Explain Amazon EC2 types	4	CO5	U
vi)	Illustrate the risk associated with cloud computing	4	CO6	Ap

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<b>Q.3</b>	<b>Solve any two questions out of three.</b>	<b>16</b>		
i)	Describe the components of cloud computing architecture	8	CO1	U
ii)	Explain Mobile Computing in detail	8	CO4	U
iii)	Explain Amazon Web Services in detail	8	CO5	U
<b>Q.4</b>	<b>Solve any two questions out of three.</b>	<b>16</b>		
i)	Explain KVM architecture of in detail	8	CO2	U
ii)	Explain Platform as a Service in detail (PaaS)	8	CO3	U
iii)	Write security issues in IaaS	8	CO6	U

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