GIET UNIVERSITY, GUNUPUR – 765022
M. C. A (Second Semester) Regular Examinations, August – 2023
MCA20211 - Cloud Computing

Time: 3 hrs   Maximum: 70 Marks

(The figures in the right hand margin indicate marks.)

PART – A   (2 x 10 = 20 Marks)

Q.1. Answer *ALL* questions

		CO #	Blooms Level
a.	How cloud computing is scalable? Justify.	CO1	K2
b.	What is load –balancing cluster?	CO2	K2
c.	How Dos-attack is possible in cloud?	CO2	K1
d.	Write down the benefits of hybrid cloud.	CO1	K1
e.	How does grid computing work?	CO1	K1
f.	What are the disadvantages of dynamic resource allocation?	CO2	K2
g.	What is hypervisor? List out some examples.	CO1	K1
h.	How ACL works in cloud?	CO3	K1
i.	How a mole can be a threat for one organization?	CO1	K2
j.	Define service level – SLA.	CO1	K1

PART – B   (10 x 5 = 50 Marks)

Answer *ANY FIVE* question

		Marks	CO #	Blooms Level
2. a.	What is cluster computing? Explain different sorts of clusters in cloud computing.	5	CO1	K1
b.	How one user and organization can access the cloud data base? Discuss the benefit of cloud database.	5	CO1	K1
3.a.	Write a short note on "Azure VM"	5	CO1	K2
b.	What is virtual machine provisioning? Write down the process that involves in provisioning process.	5	CO1	K1
4. a.	Write a short note on "Virtual machine migration".	5	CO1	K1
b.	Explain different shorts of Disaster recovery. Elaborate the components of DR plan.	5	CO1	K1
5.a.	How does cloud infrastructure work? Write down the steps to secure the hypervisor.	5	CO1	K1
b.	Differentiate between data virtualization and storage virtualization.	5	CO1	K1
6. a.	Discuss cloud deployment model and its types. Write down its benefits.	5	CO1	K1
b.	What is Utility Computing? Give examples of Utility computing. What are the advantages of Utility computing?	5	CO1	K1

7.a.	State and explain Access control list and its types. Why do we use ACL in cloud?	5	CO1	K1
b.	Differentiate between Public cloud and private cloud	5	CO1	K1
8. a.	What is CIA triad? Explain the common data security risks.	5	CO1	K1
b.	Give explanation for Resource selection, deployment and runtime management of software and hardware resources.	5	CO2	K1

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