TED (21)5133A
(Revision – 2021)

2109230290

Reg. No……
Signature…….

DIPLOMA EXAMINATION IN ENGINEERING/TECHNOLOGY/ MANAGEMENT/COMMERCIAL PRACTICE, APRIL – 2024

VIRTUALIZATION TECHNOLOGY AND CLOUD COMPUTING

[Maximum Marks: **75**] [Time: **3** Hours]

PART-A

I. Answer '*all*' the following questions in one word or one sentence. Each question carries *'one'* mark.

(9 x 1 = 9 Marks)

		Module Outcome	Cognitive level
1.	Define Virtual Machine Monitor.	M1.01	R
2.	The key technology behind Cloud Computing is……..	M1.02	R
3.	OVF stands for……..	M2.04	R
4.	The server hosted desktop virtualization solution approach is called……..	M2.08	R
5.	List any two tools used for application virtualization.	M2.10	R
6.	List any two limitations of Cloud Computing.	M3.01	R
7.	List any two vendors of Cloud Computing.	M3.02	R
8.	Give the core elements of data center.	M4.04	R
9.	Define cloud bursting.	M4.02	R

PART-B

II. Answer any '*eight*' questions from the following. Each question carries *'three'* marks.

(8 x 3 = 24 Marks)

		Module Outcome	Cognitive level
1.	Write short note on Virtualization.	M1.01	R
2.	Explain the working of Virtual Machines.	M2.01	U
3.	Write note on Virtual Switch.	M2.06	R
4.	List the advantages of Application Virtualization.	M2.10	R
5.	Write note on VM templates.	M2.03	R
6.	Draw the architecture of Cloud Computing.	M3.05	R
7.	Write note on Web 2.0.	M3.01	R
8.	Explain the features of cloud infrastructure.	M3.02	U
9.	Write the needs of Cloud Computing.	M3.0l	R
10.	Write note on cloud backup.	M4.06	U

PART-C

Answer '*all*' questions from the following. Each question carries *'seven'* marks.

(6 x 7 = 42 Marks)

		Module Outcome	Cognitive level
III.	Explain and Compare Type 1 Hypervisor and Type 2 Hypervisor.	M1.04	U
	OR		
IV.	Summarize the importance of Virtualization.	M1.01	R
V.	Explain different types of Virtualization.	M1.03	U
	OR		
VI.	Explain any two Virtualization software.	M1.06	U
VII.	Describe VM Clone and Snapshot.	M2.03	U
	OR		
VIII.	Explain the techniques used for Desktop Virtualization.	M2.08	U
IX.	Explain the architectural influences on Cloud Computing.	M3.04	U
	OR		
X.	Explain Cloud Computing architecture on the basis of Load balancing.	M3.05	U
XI.	Explain different cloud service models.	M4.01	U
	OR		
XII.	Describe disaster recovery methods in Cloud Computing.	M4.06	U
XIII.	Explain different cloud deployment models.	M4.02	U
	OR		
XIV.	Explain replication technology in Cloud Computing.	M4.06	U

****