

**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 1 mark

(9 x 1 = 9 Marks)

		Module outcome	Cognitive level
1	Multiple systems can run on a single physical system.	M1.01	R
2	Define consolidation.	M1.03	R
3	List any two virtual resources reacted by Virtualization.	M1.01	R
4	List two types of VM clones.	M2.03	R
5	Define RDS.	M2.08	R
6	In cloud computing data and business softwares are stored in	M3.02	R
7	List any two core elements of Cloud data center.	M3.03	R
8 gives all facilities needed for building and delivering a web application.	M4.01	R
9	Define Hybrid cloud.	M4.02	R

PART B

II. Answer any eight questions from the following. Each question carries 3 marks.

(8 x 3 = 24 Marks)

		Module outcome	Cognitive level
1	Show the importance of virtualization.	M1.01	U
2	Interpret Type-II Hypervisor.	M1.04	U
3	Show the properties need to be exhibited by VMM.	M1.01	R
4	Outline the feature of Virtual LAN.	M2.06	U
5	Explain snapshot.	M2.03	U
6	Interpret how cloud computing support scalability.	M3.01	U
7	Summarize peer to peer approach.	M3.01	U
8	Explain Disk Provisioning in Cloud Computing.	M3.04	U
9	Classify cloud storage models.	M4.01	U
10	Outline Public cloud.	M4.02	U

PART C

Answer all questions. Each question carries seven marks

(6 x 7 = 42 Marks)

		Module outcome	Cognitive level
III	Explain types of Virtualization. OR	M1.03	U
IV	Contrast between Virtualization and Cloud computing.	M1.02	U
V	Explain the concept of VM-CPU. OR	M2.02	U
VI	Summarize Open Virtualization format.	M2.04	U
VII	Interpret network virtualization and show the benefits of network virtualization. OR	M2.05	U
VIII	Explain VLAN and its benefits.	M2.06	U
IX	Explain Cloud Infrastructure features. OR	M3.02	U
X	Outline the Technological Influences on cloud computing.	M3.04	U
XI	Explain SaaS. OR	M4.01	U
XII	Illustrate the cloud storage with a neat diagram.	M4.03	U
XIII	Explain PaaS. OR	M4.01	U
XIV	Summarize Storage Network Technologies.	M4.05	U
