

**DIPLOMA EXAMINATION IN ENGINEERING/TECHNOLOGY/
MANAGEMENT/COMMERCIAL PRACTICE, APRIL – 2025**

COMPUTER NETWORKS II

[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.	IPv4 is a _____ bit address.	M1.01	R
2.	Write the IEEE standard of WiMAX.	M1.03	R
3.	What is meant by site in a domain network?	M2.01	R
4.	Write the file permission that only permit to view the file contents.	M2.03	R
5.	The default configuration register setting on Cisco routers is.....	M3.05	U
6.	What is meant by CLI?	M3.03	R
7.	Write the command to delete the startup-config file in a router.	M3.05	U
8.	What is the use of Administrative Distance in routing?	M4.04	R
9.	What is Route Redistribution?	M4.06	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 notes on DNS.	M1.05	R
2.	What are the basic folder permissions in a domain network?	M2.03	R
3.	Write short notes on Firewalls.	M2.04	R
4.	Outline the term Domain.	M2.01	R
5.	List the logical components of an Active Directory.	M2.01	U
6.	Specify the use of Ethernet and WAN interfaces in a router.	M3.02	U
7.	Specify the importance of EGP routing protocol.	M4.04	U
8.	Write short notes on Disaster Recovery.	M4.01	R
9.	Explain 2 modes of IOS Authentication.	M4.02	U
10.	List the 3 classes of dynamic routing protocols.	M4.03	R

PART-C

Answer ‘all’ questions from the following. Each question carries ‘seven’ marks.

(6 x 7 = 42 Marks)

		Module Outcome	Cognitive level
III.	a) Write short notes on WiMAX. (4 Marks)	M1.03	R
	b) Write the uses of Bridge in a Computer Network. (3 Marks)	M1.02	R
OR			
IV.	a) Write short notes on Bluetooth. (4 Marks)	M1.03	R
	b) Briefly explain subnet mask. (3 Marks)	M1.01	U
V.	Compare IPv4 and IPv6 addressing.	M1.01	U
OR			
VI.	Illustrate the working of DHCP.	M1.05	U
VII.	Explain about Groups in a domain network.	M2.02	R
OR			
VIII.	Compare Workgroup and Domain networks.	M2.01	U
IX.	Explain the function of IOS.	M3.03	R
OR			
X.	Explain the steps to backup and restore router's configuration using copy.....tftp command.	M3.05	U
XI.	Illustrate the internal components of a router.	M3.01	U
OR			
XII.	Explain any three message loggings.	M3.06	U
XIII.	Differentiate between static routing and dynamic routing.	M4.03	U
OR			
XIV.	Illustrate IGP routing protocols.	M4.04	U
