

**IMSc IT (CAD) (NEP) Sem.-2 Examination
MDC-CAD-124T**

Introduction to Wireless

Time : 2-00 Hours]

May-2025

[Max. Marks : 50

Instructions:

- 1. Attempt all questions.**
- 2. Make suitable assumptions wherever necessary.**
- 3. Do not write anything on the question paper.**

		Marks
Q.1	Write a Full Name for Below Abbreviation. (1 Marks) 1. TDMA 2. CDMA 3. CSMA/CA 4. MAC 5. NIC 6. WLAN 7. BSS 8. ESS 9. ISM 10. CSMA/CD	10
OR		
Q.1	Write a Full Form:- a. USB b. NIC c. MIMC d. SSID e. TKIP f. AES g. PSK h. RADIUS i. MAC j. WAN	10
Q.2	Answer the Below Questions. (2 Marks) 1. What is Multiple access? 2. Give the Definition of Frequency. 3. Give the Definition of Bandwidth. 4. Give the function of Physical layer in WLAN Layers. 5. Give the function of MAC Sub Layer in WLAN Layers. 6. Give the function of LLC in WLAN Layers. 7. Give the name of TCP/IP Layers. 8. Give Frequencies of two ISM Bands. 9. What is IP Address and Its Type? 10. What is Wireless Router?	20
OR		

1
(P.T.O)

Q.2	Answer the Questions. (5 Marks) 1. Draw the block Diagram of Communication system and Describe Its Functions 2. What is Modulation? Describe the type of Modulation. 3. Write a short note on WLAN network Architecture. 4. What is Multiplexing? Describe the type of Multiplexing.	20
Q.3	Write a note on Wireless Sensor Networks and their applications.	05
OR		
Q.3	Explain the difference between Autonomous Access Points and Controller-Based Access Points.	05
Q.4	Describe the architecture and advantages of Controller-Based APs in large networks.	05
OR		
Q.4	Describe Wireless technologies (4 types)	05
Q.5	Describe the different types of wireless networks in detail with examples.	05
OR		
Q.5	Explain the concept of a wireless network and how it works.	05
Q.6	What is Modulation? Describe the type of Modulation.	05
OR		
Q.6	Write a short note on WLAN network Architecture.	05