R20 Regulation Subject code: 3E6GB

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

(Autonomous, Accredited by NAAC with 'A+' Grade)

B.Tech VI Semester Supplementary Examinations, July 2024

WIRELESS NETWORKS

((CSE(AI&ML))

Maximum Marks: 70 Date:26.07.2024 Duration: 3 hours

Note: 1. This question paper contains two parts A and B.
2. Part A is compulsory which carries 20 marks. Answer all questions in Part A.
3. Part B consists of 5 Units. Answer any one full question from each Unit.
4. Each question carries 10 marks and may have a, b, c, d as sub questions.

	Part-A		
All the following questions carry equal marks (10x2M=20 Marks)		Bloom's Tx	Course Outcomes
1	What is meant by Electromagnetic Spectrum.	L1	CO1
2	Define Parity check with example.	L1	CO1
3	Differentiate Hidden and Exposed Terminal Problems.	L1	CO2
4	Discuss about MACA with Piggy-Backed Reservation.	L1	CO2
5	What is Routing Protocol	L1	CO3
6	Describe Frame based Knowledge Representation.	L2	CO3
7	Explain Stemming with example Program?	L1	CO4
8	Explain Lemmatization with example Program?	L2	CO4
9	What is Chunking explain its types?	L1	CO5
10	Write about Maximum-Likelihood Estimation and Smoothing?	L2	CO5
	Part-B		
Answer All the following questions. (5 X 10M=50Marks)			
11	Explain in Detail Multiple Access Techniques. [10]	L1	CO1
	OR		
12	a) Explain in detail HIPERLAN Standard with neat diagram. b) List out Basic MAC Layer Mechanisms. [5+5]	L3 L3	CO1 CO1
13	Classify Mac Protocol for Ad Hoc Wireless Networks. [10]	L3	CO2
	OR		
14	Explain the design goals of a MAC Protocol for Wireless sensor Networks. [10]	L1	CO2
15	Define Hidden and Terminal Problems. [10]	L3	CO3
	OR		

16	Explain Table-Driven Routing Protocols.	[10]	L2	CO3
17	Classify Transport Layer Solutions.	[10]	L2	CO4
	OR			
18	Explain Network Security Requirements.	[10]	L1	CO4
19	Explain about DBASE.	[10]	L1	CO5
	OR			
20	Describe QoS Routing Protocol.	[10]	L3	CO5