



R20 Regulation

Subject code:3E6GB

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

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

B.Tech VI Semester Supplementary Examinations, December 2024

WIRELESS NETWORKS

(CSE (AIML))

Maximum Marks: 70

Date:04.01.2025

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 which carries 10M.
 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)		CO	Bloom Tx
1	What is meant by Electromagnetic Spectrum.	1	L1
2	Define Parity check with example.	1	L1
3	Differentiate Hidden and Exposed Terminal Problems.	2	L1
4	Define FAMA Protocol.	2	L1
5	What is Routing Protocol	3	L1
6	Write Frame based Knowledge Representation?	3	L1
7	How to provide security in Wireless Networks.	4	L1
8	Classify Transport Layer in ADHOC.	4	L1
9	Write about Quality of Service in ADHOC Wireless Networks.	5	L1
10	Write about MAC Layer Solutions.	5	L1

Part-B

Answer All the following questions. (5X10M=50Marks)		CO	Bloom Tx
11	Explain in Detail Multiple Access Techniques. [10M]	1	L2
OR			
12	A) Explain in detail HIPERLAN Standard with neat diagram. [5M] B) List out Basic MAC Layer Mechanisms. [5M]	1	L2
13	What are the Issues a MAC Protocol for Ad Hoc Wireless Networks.	2	L2
OR			
14	Describe MACA with Piggy-Backed Reservation. [10M]	2	L2
15	Explain about Table-Driven Protocol with example diagram. [10M]	3	L2
OR			
16	Explain Location-Aided Routing with example. [10M]	3	L2
17	Explain Application Controlled Transport Layer. [10M]	4	L2
OR			
18	Explain Network Security Requirements. [10M]	4	L2
19	Classify quality of service solutions. [10M]	5	L2
OR			
20	Describe QoS Routing Protocol. [10M]	5	L2

