



R20 Regulation

Subject code: 3E6GB

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

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

B.Tech VI Semester Regular Examinations, June/July 2023

WIRELESS NETWORKS

(CSE(AI&ML))

Maximum Marks: 70

Date:30.06.2023 Duration: 3 hours

Part-A

All the following questions carry equal marks

(10x2M=20 Marks)

- 1 What is WSN?
- 2 What the design goals are of wireless LANS?
- 3 Define MACA protocol.
- 4 Write about BTMA protocol.
- 5 Define TORA protocol.
- 6 What is snooping TCP?
- 7 Define TCP bus.
- 8 Can you list the advantages of On-demand protocol.
- 9 What is Mobile Adhoc Networks?
- 10 What is the QoS in Adhoc Wireless Networks?

Part-B

Answer All the following questions.

(10MX 5=50Marks)

- 11`
 - A. Explain about IEEE 802.11 standards. [5]
 - B. Explain the applications areas of ad hoc networks. [5]

OR
- 12
 - A. Differentiate Adhoc and Cellular network. [5]
 - B. What are the Characteristics of Wireless Channel? [5]
- 13
 - A. Explain in brief about Classification of MAC Protocols? [5]
 - B. Explain in brief about Directional MAC Protocols for AdHoc Wireless networks. [5]

OR
- 14
 - A. Describe the challenges and considerations in creating a MAC protocol intended for ad hoc wireless networks? [5]
 - B. Write in brief about the Real time MAC Protocol. [5]
- 15
 - A. What are the issues related to routing in adhoc wireless networks? [5]
 - B. Explain the Hierarchical Routing Protocols. [5]

OR
- 16
 - A. What are the classifications of Routing Protocols? [5]
 - B. Explain about zone routing protocol. [5]
- 17
 - A. Explain in brief about feedback based TCP? [5]
 - B. Explain design goals transport layer protocol. [5]

