



Regulation: R18

Subject code: 2E7EC

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

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

B.Tech VII Semester Supplementary Examinations, April 2024

Mobile Computing

(COMPUTER SCIENCE & ENGINEERING)

Maximum Marks: 70

Date: 23.04.2024 Duration: 3 hours

- Note:**
1. This question paper contains two parts A and B.
 2. Part A is compulsory which carries 10 marks. Answer all questions in Part A.
 3. Part B consists of 5 Units. Total 10 questions it consists.
 4. Part-B each question carries 12 marks and may have a, b, c, d as sub questions.

Part-A

All the following questions carry equal marks

(10x2M=20 Marks)

- 1 What is Mobile Computing?
- 2 Write about MAC protocols?
- 3 What is Handover?
- 4 What is GPRS?
- 5 Write any two disadvantages of Mobile IP?
- 6 What is Care-of-Address?
- 7 What is WAP?
- 8 Why M-TCP is required?
- 9 Write any two mobile OS constraints?
- 10 What is Windows CE?

Part-B

Answer All the following questions.

(5X10M=50Marks)

- 11 Explain in detail the Characteristics of Mobile Computing. [10M]

OR

- 12 Explain FDMA and CDMA. [10M]

- 13 Write in detail about GPRS architecture with neat diagram. [10M]

OR

- 14 Explain in detail about Handover mechanism in GPRS with diagrams. [10M]

- 15 Explain Multicast Routing and ODMRP with respect to AdHoc networks. [10M]

OR

- 16 Explain MANETs and VANETs in detail. [10M]

- 17 Write about WTP with Class0, Class1 and Class 2 in WAP architecture. [10M]

OR

- 18 Explain I-TCP, S-TCP and M-TCP. [10M]

- 19 Write about IOS, Android and Windows with respect to Mobile Devices. [10M]

OR

- 20 Explain M-Commerce and Mobile Payment. [10M]