



R18 Regulation

Subject code: 2E7EC

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

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

B.Tech VII Semester Supplementary Examinations, November 2023

MOBILE COMPUTING (Computer Science and Engineering)

Maximum Marks: 70

Date: 11.12.2023 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)

1	Write about Spread Spectrum?	L1
2	What is TDMA?	L1
3	Identify the different steps involved in connection establishment.	L1
4	What is UMTS?	L1
5	Write any two disadvantages of Mobile IP?	L1
6	Write route optimization in Mobile IP?	L1
7	Write briefly about WDP in WAP?	L1
8	What is Mobile TCP?	L1
9	What is Palm OS?	L1
10	Write any two security issues in Mobile OS?	L1

Part-B

Answer All the following questions.

(5X10M=50Marks)

11	Explain in detail the Characteristics of Mobile Computing. [10]	L2
	OR	
12	Write all the Generations of Mobile Communication Technologies. [10]	L2
13	Draw the GSM architecture diagram and identify all the components with their responsibilities. [10]	L2
	OR	
14	Explain GPRS architecture in detail. [10]	L3
15	Explain DSR and AODV routing protocols with respect to Ad-Hoc networks. [10]	L2
	OR	
16	Explain MANETs, VANETs and MANETs vs VANETs. [10]	L2
17	Explain the WAP architecture in detail. [10]	L3
	OR	
18	Explain I-TCP, S-TCP and M-TCP. [10]	L2
19	Write about IOS, Android and Windows with respect to Mobile Devices? [10]	L3
	OR	
20	Explain in detail about Mcommerce and Mobile Payments. [10]	L2