



R18 Regulation *Subject code:2E7FD*
TKR COLLEGE OF ENGINEERING AND TECHNOLOGY
 (Autonomous, Accredited by NAAC with 'A+' Grade)
B.Tech VII Semester Supplementary Examinations, November 2023

MOBILE COMPUTING
(IT)

Maximum Marks: 70

Date:12.12.2023 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)

		Bloom Tx
1	What is Mobile Computing.	L1
2	What is TDMA?	L1
3	Identify the components in Network Sub System of GSM architecture	L2
4	Define Encapsulation.	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 the following. 1.Hidden and Exposed terminals 2. Near and Far terminals [5+5]	L2
15	Explain database Hoarding and caching techniques. [10]	L2
	OR	
16	Explain I-TCP, S-TCP and M-TCP. [10]	L2
17	Give a detail account on classification on data delivery mechanisms. [10]	L3
	OR	
18	Explain in detail about data synchronization.[10]	L2
19	Write about IOS, Android and Windows with respect to Mobile Devices. [10]	L2
	OR	
20	Explain about MANETS and its applications and challenges. [10]	L2