



GIET UNIVERSITY, GUNUPUR – 765022
M. Tech. (Third Semester) Examinations, December – 2022
MPECS3011 - Mobile Applications and Services
(CSE)

Time: 3 hrs

Maximum: 70 Marks

(The figures in the right hand margin indicate marks.)

PART – A

(2 x 10 = 20 Marks)

Q.1. Answer all questions

	CO#	Blooms Level
a. What is the need of user interface?	CO1	K2
b. Difference between VUI and Mobile App.	CO1	K2
c. What is mobile software ?	CO2	K1
d. How is the satellite orbits classified?	CO2	K2
e. Compare MANET vs. VANET.	CO2	K1
f. What is the need of SIM ?	CO3	K2
g. Define GPRS.	CO3	K2
h. What is mobile OS? Give some example of mobile OS.	CO4	K1
i. What is mobile IP?	CO4	K1
j. What is M-Commerce? List its disadvantages	CO4	K1

PART – B

(10 x 5 = 50 Marks)

Answer ANY FIVE questions

	Marks	CO#	Blooms Level
2. a. Define user interface	5	CO1	K1
b. Explain in detail the importance of delivery of Mobile Application?	5	CO1	K1
3.a. Describe swapping in mobile operating system.	5	CO1	K2
b. Explain advantage and disadvantage of swapping.	5	CO1	K1
4. a. Describe Paging.	5	CO2	K2
b. Explain incoming call routing in GSM network.	5	CO2	K2
5.a. Compare and contrast wi-fi and wi-max.	5	CO3	K1
b. Describe the feature of Bluetooth and mention its application.	5	CO3	K1
6. a. What is Wireless LAN ?	5	CO3	K1
b. How do you solve hidden terminal problem ?	5	CO3	K2
7.a. Explain the IoT protocol stack.	5	CO4	K2
b. What is the difference between M2M and IoT?	5	CO4	K1
8. a. How might Internet Address (IPv6) affect the development and implementation of the Internet of Things?	5	CO4	K2
b. What is meant by a smart city regarding the Internet of Things?	5	CO4	K2

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