Registration No:

Total Number of Pages : 1   **M.TECH**

M.TECH 3rd SEMESTER REGULAR EXAMINATIONS, NOV/DEC 2019
MCSPE3011 – MOBILE APPLICATIONS AND SERVICES
(Computer Science and Engineering)

Time: 3 Hours   **Max Marks : 70**

PART-A   **(10 X 2=20 MARKS)**

1. Answer the following questions.
   a) What is mobile computing? What are applications of mobile computing?
   b) List some characteristics of mobile applications.
   c) What is the purpose of DHCP?
   d) What is M-Commerce? List its disadvantages.
   e) Difference between VUI and Mobile App.
   f) What is the goal of Eclipse simulator?
   g) Write any two feature of windows phone.
   h) List the applications of MANETs?
   i) What is route optimization?
   j) Define multipath propagation.

PART-B   **(5 X 10=50 MARKS)**

Answer any five questions from the following.

2.a	Explain about the key mechanism in mobile IP.	**5**
b	Give the function of GPRS protocol stack with a neat diagram	**5**
3.a	Explain the PCS architecture with suitable diagram.	**5**
b	Brief out the features and need about XML.	**5**
4.a	What is WLL? Explain the working of WLL architecture using block diagram.	**5**
b	Describe the feature of Bluetooth and mention its application	**5**
5.a	Draw the WAP pull and push technology architecture and explain how it work.	**5**
b	Explain the function of virtual private network. What are the merits and demerits of VPN?	**5**
6.a	Explain the Android application architecture	**5**
b	Explain how to interact with UI with suitable example	**5**
7.a	List various types of Communication protocols in IoT	**5**
b	What is Agent based communication in IoT	**5**
8.	Write short notes on	
a	HLR and VLR.	**5**
b	Android Multimedia	**5**

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