

**LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034****B.Sc. DEGREE EXAMINATION – COMPUTER SCIENCE****SIXTH SEMESTER – APRIL 2023****16/17/18UCS6MS01 – MOBILE COMPUTING**

Date: 12-05-2023

Dept. No.

Max. : 100 Marks

Time: 09:00 AM - 12:00 NOON

PART – A**(10 x 2 = 20 Marks)**

Q. No	Answer ALL questions
1	Define Mobile computing.
2	What is host mobility?
3	State the purpose of PLMN interfaces.
4	What is scatternet?
5	What is application mode in GPRS?
6	Define PDP context.
7	What is WMLScript?
8	State any two advantages of CDMA.
9	What is SSL?
10	What is Application level security?

PART – B**(5 x 8 = 40 Marks)****Answer ALL the questions**

11	(a) Describe middleware and gateways. (Or) (b) Explain the development of mobile computing applications.
12	(a) Explain the architecture of Bluetooth. (Or) (b) Describe RFID and its applications.
13	(a) Explain the attach/detach procedure in GPRS. (Or) (b) What are the data services in GPRS?
14	(a) Describe the transaction flows in MMS. (Or) (b) Describe the PUSH architecture in WAP.
15	(a) Explain the different models of trust. (Or) (b) Explain the security techniques and algorithms.

PART – C**(2 x 20 = 40 Marks)****Answer any TWO questions**

16.	(a) Elaborate the 3-tier mobile architecture with a neat diagram. (b) Describe the GSM addresses and identifiers.
17.	(a) Describe the salient features of GPRS. (b) Explain the features and working of Wireless LAN.
18.	(a) Elaborate the working and salient features of Public key cryptography. (b) Explain Mobile Adhoc networks and sensor networks.

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