



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

B.Sc. DEGREE EXAMINATION – COMPUTER SCIENCE

SIXTH SEMESTER – APRIL 2022

16/17/18UCS6MS01 – MOBILE COMPUTING

Date: 21-06-2022

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 List any four applications of Mobile computing.
- 3 What is mobility management?
- 4 State the purpose of RFID.
- 5 What is application mode in GPRS?
- 6 Define Pull and Push technology.
- 7 What is WMLScript?
- 8 Compare stream and block cipher.
- 9 What is SSL?
- 10 Define Authorization.

PART – B

(5 x 8 = 40 Marks)

Answer ALL the Questions

- 11 (a) Describe middleware and gateways.
(Or)
(b) Explain any FOUR standards used in mobile computing.
- 12 (a) Explain the architecture of Bluetooth.
(Or)
(b) Describe the steps involved in call routing in GSM.
- 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) Enumerate the advantages of CDMA.
- 15 (a) Explain the different models of trust.
(Or)
(b) Explain the working of Asynchronous transfer mode.

PART – C

(2 x 20 = 40 Marks)

Answer any TWO Questions

16. (a) Elaborate the 3-tier mobile architecture with a neat diagram.
(b) How does Mobile IP work?
17. (a) Describe the salient features of GPRS.
(b) Explain the architecture of MMS.
18. (a) Elaborate about the components of information security.
(b) Explain Mobile Adhoc networks and sensor networks.

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