LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.C.A. DEGREE EXAMINATION – COMPUTER APPLICATIONS
FOURTH SEMESTER – APRIL 2022
18PCA4MC02 – MOBILE COMPUTING

Date: 17-06-2022   Dept. No.   Max. : 100 Marks
Time: 01:00 PM - 04:00 PM

PART – A
Answer ALL Questions   **(10 x 2 = 20 Marks)**

Q. No

1   What is Mobile Computing?
2   What is CDMA?
3   What is UTRAN?
4   What is UMTS?
5   State the radio layer.
6   What is BRAN?
7   What is TCP?
8   State snooping.
9   What is data recovery process?
10 What is data catching?

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

11 a)Explain functions and device in mobile computing
                or
    b)Explain Satellite communication system

12 (a) Explain GSM in details
                or
    (b) Explain GPRS applications and limitations

13 a) Explain Infra-red Vs radio transmission
                or
    (b) Describe MAC management in details

14 a) Explain IP packet delivery in detail
                or
    b) Describe the TCP over 2.5/3G wireless.

15 (a) Explain query processing in Mobile computing.
                or
    (b) Write notes on Android Symbian.

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

16 Explain SDMA ,FDMA,TDMA and CDMA

17 What is GPRS? explain its architecture and services

18 i)Explain IPv6 in details

    ii) Describe database transactional models in Mobile Computing.

@@@@@@@