

Seat No. : _____

AA-153

April-2019

4th Year Integrated M.Sc., (C.A. & I.T.), Sem.-VIII

Mobile Computing

Time : 2:30 Hours]

[Max. Marks : 70

1. (a) State characteristics of a communication device. 4
- (b) Explain Frequency Division Multiplexing. Also state its advantages and disadvantages. 6
- (c) Explain Carrier Sense Multiple Access. 4

OR

Explain Amplitude Shift Keying and Frequency Shift Keying.

2. (a) Explain Network and switching subsystem of GSM. 7
- (b) Explain Supplementary Services offered by GSM. 3
- (c) Explain Gateway GPRS support node (GGSN). 4
3. (a) Answer the following : (any **two**) 14
 - (i) Explain MAC Management in detail.
 - (ii) Explain architecture of Bluetooth in detail and also explain importance of L2CAP for Bluetooth.
 - (iii) List all transport channels of HiperLAN2 and explain it.

4. (a) Explain Registration Process in Mobile IP. 7

OR

Explain Optimizations in Mobile IP.

- (b) Explain Indirect TCP in detail. 7
5. (a) Explain Architecture of Wireless Application Protocol. 7
- (b) How PhoneGap works as “Cross Platform Architecture for Mobile Technology” ? 7