

Total number of printed pages-2

53 (IT 815) MBCP

2019

MOBILE COMPUTING

Paper : IT 815 (Back)

Full Marks : 100

Time : Three hours

The figures in the margin indicate full marks for the questions.

1. (a) Briefly explain wireless communication system with application. 12
- (b) Mention some challenges of wireless communication. 8
2. Draw the GSM architecture and explain the functions of the entities briefly. 20

Contd.

3. (a) Briefly explain the following: 12
- (i) Multiframe
 - (ii) Superframe and
 - (iii) Hyperframe
- (b) What are Piconet and Scatternet in Bluetooth? 8
4. (a) Mention the pros and cons of small cells in the cellular system. 10
- (b) Explain the transparent and non-transparent bearer services. 10
5. Write short notes on the following: 5×4=20
- (i) CDMA System
 - (ii) Dynamic Source Routing
 - (iii) Bluetooth protocol
 - (iv) Soft handover and hard handover.

