

Exam. Code : 208602
Subject Code : 4748

M.Sc. Information Technology 2nd Sem. (Batch 2021-23)

MOBILE COMPUTING

Paper—MIT-201

Time Allowed—3 Hours] [Maximum Marks—100

Note :—Attempt **FIVE** questions in all, selecting at least **ONE** question from each section. The **fifth** question may be attempted from any section. All questions carry equal marks.

SECTION—A

1. Discuss the features of Wireless LANs systems and Wireless standards in detail. 20
2. (a) What is meant by mobile antennas ? Explain its various issues. 10
- (b) Explain different methods for implementing Digital Signals. 10

SECTION—B

3. (a) Explain the operation of Cellular Networks. 10
- (b) What is meant by Co-channel interference ? Explain. 10
4. Discuss the following concepts :
 - (a) FDMA and TDMA 10
 - (b) GSM. 10

SECTION—C

5. Explain the following :
- (a) Protocol stack of WAP 10
 - (b) Use of Mobile IP. 10
6. (a) Discuss the performance of Mobile TCP systems. 10
- (b) Elaborate the use of Mobile data networks. 10

SECTION—D

7. What is the concept of Location tracking and Security in GSM systems ? Explain in detail. 20
8. Write short notes on the following :
- (a) GSM bearer services 10
 - (b) SMS architecture. 10