Roll No……..….. **Total No. of Printed Pages: 1**
Total No. of Questions: [11]

M. Sc. IT (Semester – 2nd)
MOBILE COMPUTING
Subject Code: MITE-1259
Paper ID: 220417

Time: 03 Hours **Maximum Marks: 60**

Instruction for candidates:

1. Section A is compulsory. It carries 16 marks. It consists of 4 questions of 4 marks each.
2. Section B consist of 4 questions of 8 marks each. The student has to attempt any 3 questions out of it.
3. Section C consist of 3 questions of 10 marks each. The student has to attempt any 2 questions.

Section – A **(4 marks each)**

Q1. (a) What is the concept of Mobile communication?
(b) Compare GPRS and GSM.
Q2. Discuss the concept tunnelling and Encapsulation.
Q3. (a) What is the use of snooping?
(b) Explain briefly caching technique.
Q4. What is the role of mobile Agents? Illustrate their use.

Section – B **(8 marks each)**

Q5. Discuss the different types of applications where mobile computing is employed.
Q6. (a) Explain the role of MAC protocols.
(b) Explain applications of Route optimization.
Q7. Explain the process of data recovery and issues related to QoS
Q8. Illustrate the use of following techniques:
a) WAP
b) PalmOS

Section – C **(10 marks each)**

Q9. Explain the different types of GSM services and GSM system architecture.
Q10. (a) Discuss different protocols of Transport Layer.
(b) What is DHCP? Explain.
Q11. Explain the following:
a) IPV4
b) Different platforms for Mobile Computing