

**M.Sc. Information Technology - 2nd Semester
(2721)**

Paper : MIT-201 Mobile Computing

Time allowed: 2 hrs.

Max. Marks: 100

Note: There are EIGHT questions of equal marks. Candidates are required to attempt any FOUR questions.

Section-A

- Q1. Discuss the features of Wireless communication systems and Satellite communications in detail.
- Q2. a) What is meant by frequency spectrum? Explain its various issues.
b) Explain different methods for implementing Wireless LANs.

Section-B

- Q3. a) Explain the concept of frequency reuse channels.
b) What is meant by Digital modulation? Explain.
- Q4. Discuss the following concepts:
a) TDD and FDD
b) CDMA

Section-C

- Q5. Explain the following:
a) WAP model and architecture
b) IEEE 802.11
- Q6. a) Discuss the performance of MAC layer.
b) Elaborate the concept of Bluetooth and GPRS.

Section-D

- Q7. What is the concept of GSM based systems? Explain in detail.
- Q8. Write short notes on following:
a) GSM mobility management
b) Network signalling
