MOBILE COMPUTING
CSE-302

Time: Three Hours] [Maximum Marks: 100

Note: Attempt Five questions in all, selecting at least one question from each Unit. All questions carry equal marks.

Unit I

1. (a) Explain evolution of mobile systems.
   (b) What are different location management schemes? Describe in detail.

2. (a) What is the frequency allocation problem in cellular architecture? How is it solved?
   (b) Explain the basic working of GSM.

Unit II

3. (a) Explain push and pull data delivery models.
   (b) What are energy efficient indexing schemes in mobile systems?

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4. (a) What is the requirement for storage managers in mobile systems?
(b) Describe distributed file sharing schemes for mobility support.

Unit III

5. (a) What are the differences in the working of AODV and DSR?
(b) Explain FSR Protocol.

6. (a) Describe working of LAR routing protocol? How is it different from other protocols?
(b) What is the concept of sequence numbers in DSDV?

Unit IV

7. (a) What are the problems with mobile transaction models?
(b) Explain basic protocol for mobile commerce.

8. What are Mobile Transactions? Explain recovery model for them.