

# **BHARTIYA INSTIYUTE OF ENGINEERING & TECHNOLOGY-SIKAR**

Department of Computer Science & Engineering

VIII Semester

SUB:MOBILE COMPUTING (8CS1A)

QUESTION BANK

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## **UNIT-1**

- Q1. Define mobile computing? What are the various adaptability issues?
- Q2. Explain mobility management system including its technique and principles of mobile computing?
- Q3. What is mobility management? Describe mechanism for adaption?
- Q4. Discuss public communication services location management with suitable example?
- Q5. Describe energy efficient indexing on air and algorithm?

## **UNIT-2**

- Q1. Describe caching management in mobile and cache management schemes?
- Q2. What do you mean by data dissemination and explain its model?
- Q3. Explain operation of mobile IP? Why tunneling is used in mobile IP?
- Q4. Explain mobile agent security and fault tolerance using distributed transactions?
- Q5. How middleware used for application development as mobile agents?
- Q6. Explain architecture of secure agent system?

## **UNIT-3**

- Q1. Explain the uni-cast and multicast discovery in detail?
- Q2. Write short notes on: 1. Advertisement 2. Garbage collection
- Q3. What do you mean by service discovery and standardization?
- Q4. What is mobile agent? Explain mobile agent based architecture?
- Q5. What do you mean by eventing methods?
- Q6. What are the novel security features of the Jini service discovery framework?

## **UNIT-4**

- Q1. What is mobile IP? Explain in detail?
- Q2. Explain mobility in mobile computing?
- Q3. Explain system architecture of WWW in detail?
- Q4. What do you mean by mobile TCP? How it works?
- Q5. How database system works in mobile environment?

## **UNIT-5**

- Q1. Describe DSDV in detail?
  - Q2. Write short notes:
    - a. GSR
    - b. AODV
  - Q3. Explain routing protocols with example?
  - Q4. Explain Temporary ordered routing algorithm in detail?
  - Q5. What do you mean by Dynamic Source Routing in mobile computing? Explain?
  - Q6. Write short notes on:
    - A. AdHoc networks
    - B. MAC issues
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