

Exam.Code:0919  
Sub. Code: 6364

1078  
B.E. (Computer Science and Engineering)  
Seventh Semester  
Elective – I  
CSE-716: Mobile Computing

Time allowed: 3 Hours

Max. Marks: 50

*NOTE: Attempt five questions in all, including Question No. 1 which is compulsory and selecting two questions from each Unit.*

x-x-x

- I. Attempt the following:-
- Briefly describe legacy telecommunication technologies,
  - What is significance of ubiquitous computing?
  - Differentiate between mobile IP and cellular IP.
  - Compare MANETs and Wireless Sensor Networks,
  - List some of the tools used for Mobile applications development. (5x2)

**UNIT – I**

- II. a) What are the main components of mobile communication?  
b) With the help of diagram, discuss the architecture of Mobile Computing. (10)
- III. With respect to architecture, explain in detail difference between 2G and 2.5G networks. (10)
- IV. What is significance of Mobile IP? What are different security related issues and their solution in Mobile IP? (10)

**UNIT – II**

- V. a) What are solutions to Hidden Station Terminal and Exposed Station Terminal problems?  
b) Discuss the implications of different layers in Bluetooth stack? (10)
- VI. Compare the AODV and DSDV routing algorithms along with their complexities. (10)
- VII. Write short notes on the following:-
- J2ME MIDP
  - Windows Mobile (10)

x-x-x