

Roll No. _____

Total No. of Pages : 02

Total No. of Questions : 09

B.Tech.(ECE) (2011 Batch Elective-III) (Sem.-7,8)

B.Tech.(ETE) (2011 Onwards Elective-III)

MOBILE COMPUTING

Subject Code : BTEC-919

Paper ID : [A3014]

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTION TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students has to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students has to attempt any TWO questions.

SECTION-A

1. Write briefly :
 - a. What is meaning of Mobile computing?
 - b. What is intra cell handover?
 - c. What do you mean by agent advertisement?
 - d. How DHCP can be used for mobility?
 - e. What is transaction oriented TCP?
 - f. How mobility is restricted using Wireless LAN (WLANs)?
 - g. Give the basic objective of the WAP.
 - h. What are limitations of Bluetooth technology?
 - i. What do you mean by fault tolerance in mobile agents?
 - j. Name various routing protocols used in MANETs.

SECTION-B

2. What are various issues in Mobile computing? Discuss in brief.
3. Discuss about Transaction oriented TCP.
4. What are various MAC issues in Wireless networks?
5. Discuss architecture of WAP.
6. Describe any routing protocol used in MANETs.

SECTION-C

7. Explain architecture of GSM. Explain how location management is performed with HLR-VLR.
8.
 - a) Differentiate between tradition IP and Mobile IP. Discuss the concept of tunneling and encapsulation in Mobile IP.
 - b) Discuss fast-retransmit and fast-recovery mechanisms of mobile TCP.
9. Write short notes on :
 - a) Mobile Agents Computing
 - b) Security in MANETs