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Total No. of Pages : 02

Total No. of Questions : 09

B.Tech.(ECE) (2012 to 2017 E-III) (Sem.-7,8)

MOBILE COMPUTING

Subject Code : BTEC-919

M.Code : 71924

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) Answer briefly :**

- a. Differentiate mobile computing and wireless Networking.
- b. Name the teleservices provided by GSM.
- c. Differentiate the functionalities of a foreign agent and home agent.
- d. Define Handoff. What are its types?
- e. What is time-out freezing?
- f. Define snooping TCP.
- g. What is tunneling?
- h. What happens to the standard TCP in case of disconnection?
- i. State the functionality of WAP.
- j. List the applications of MANETS.

SECTION-B

- 2) Describe the architecture of mobile computing.
- 3) Illustrate packet delivery mechanism in Mobile IP network with a neat diagram.
- 4) What is encapsulation? Explain in detail the various encapsulation techniques in mobile IP.
- 5) Discuss in detail Bluetooth technology.
- 6) Explain 802.11b standard.

SECTION-C

- 7) Discuss and compare the various mechanism used to improve the TCP performance in mobile networks.
- 8) With a neat diagram explain how packet delivery to and from a mobile node is transferred in mobile IP.
- 9) Discuss in detail the components and interfaces of WAP architecture.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.