Roll No. ⬚⬚⬚⬚⬚⬚⬚⬚⬚⬚⬚   Total No. of Pages : 02

Total No. of Questions : 18

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

MOBILE COMPUTING
Subject Code : BTEC-919
M.Code : 71924

Time : 3 Hrs.   Max. Marks : 60

INSTRUCTIONS 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 have to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

SECTION-A

Answerbriefly :

1. Explain how mobility management is done in GSM?

2. Explain the use of broadcast control channel.

3. What are the requirements for implementing Mobile IP?

4. List out advantages of Snooping TCP.

5. What are the routing metrics in wireless adhoc network?

6. Define Handoff. What are its types?

7. Describe Transaction oriented TCP.

8. What is WAP gateway?

9. How are Adhoc Networks different from the cellular networks?

10. List the applications of MANETs.

SECTION-B

11. Explain the characteristics of Mobile Computing.

12. How can DHCP be used for mobility and support to mobile IP? Explain.

13. Discuss the protocol architecture of IEEE 802.11.

14. What is Bluetooth? Where it is used? Also describe the general format of packet and packet header in Bluetooth technology.

15. Describe the properties and applications of MANETs.

SECTION-C

16. How a packet is delivered in Indirect TCP? Explain. Also discuss the advantages and disadvantages of I-TCP.

17. With a neat diagram, explain the functional architecture of a GSM system.

18. Explain the following protocols used by MANET for routing :

    a) Dynamic Source Routing

    b) Table Driven Fat Routing

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.