

No. of Printed Pages : 03

Roll No.

BB-585

M. Tech. EXAMINATION, Dec. 2017

(Second Semester)

(B. Scheme) (Re-appear Only)

(CSE)

CSE-554-B

MOBILE COMPUTING

Time : 3 Hours]

[Maximum Marks : 75

Before answering the question-paper candidates should ensure that they have been supplied to correct and complete question-paper. No complaint, in this regard, will be entertained after the examination.

Note : Attempt *Five* questions in all, selecting at least *one* question from each Unit. All questions carry equal marks.

(2-45/7) M-BB-585

P.T.O.

Unit I

1. (a) What is meant by invisible computing ?
5
(b) Explain the working principle and frame format of IEEE 802.11a standard. 10
2. (a) Differentiate between wireless computing and pervasive computing. 5
(b) Draw the architecture of sensor networks. What are the current research challenges for sensor networks. 10

Unit II

3. (a) Explain the working of TORA protocol. What are the advantages of TORA protocol ? 10
(b) What are the challenges faced by mobile environments ? 5
4. (a) Describe DSR protocol in detail. State the advantages and limitations of DSR. 10
(b) What is exposed terminal problem ? 5

M-BB-585

2

Unit III

5. (a) How Mobile IP protocol facilitates communication between mobile users. What is Tunneling ? 10
(b) What is data replication ? Why is it required ? 5
6. Write short notes on the following : 15
 - (a) Mobile TCP
 - (b) Snoop TCP
 - (c) Indirect TCP.

Unit IV

7. (a) What are the possible attacks on mobile agents ? How can these attacks be detected and prevented ? 10
(b) Compare and contrast mobile agents and client server model. 5
8. Write short notes on the following : 15
 - (a) Agent Authorization
 - (b) Agent Migration.

(2-45/8) M-BB-585

3

70