

8E5009

Roll No. : _____

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B. Tech. (Sem. VIII) (Main) Examination, April/May-2012
Information Tech.
8IT4.1 Mobile Computing

Time : 3 Hours]

[Total Marks : 80

[Min. Passing Marks : 24

Attempt any five questions, selecting one question from each unit. All questions carry equal marks. Schematics diagrams must be shown wherever necessary. Any data you feel missing suitably be assumed and stated clearly. Units of quantities used/calculated must be stated clearly.

Use of following supporting material is permitted during examination.
(Mentioned in form No. 205)

1. Nil

2. Nil

UNIT - I

- 1 (a) Define Mobile Computing. Explain Mechanism for adaptation and incorporation adaptations.
(b) What are the issues in Mobile computing? Explain in detail. 8+8

OR

- 1 (a) How location Management is identified in HLR-VLR and in Channel allocation in cellular system.
(b) Describe Energy efficient indexing on air and Algorithms. 8+8

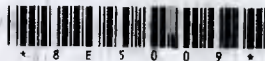
UNIT - II

- 2 Describe Caching Management in Mobile, cache management schemes and Mobile web Caching. 16

OR

- 2 (a) Explain Mobile agent security and fault tolerance using distributed transaction.
(b) Explain architecture of secure agent system. 8+8

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[Contd..

UNIT - III

- 3 (a) What is Services discovery and standardization method ?
(b) Describe unicast discover, multicast discovery and Advertisement.

8+8

OR

- 3 Define following terms :
(i) Garbage Collection
(ii) Service catalogues
(iii) Eventing
(iv) Universal plug n play

4×4

UNIT - IV

- 4 Explain Mobile devices along with their classification, characteristics and limitation.

16

OR

- 4 What is Smart identification ? Explain its various types.

16

UNIT - V

- 5 Write short notes on (any two)

- (i) Web Services Description language
(ii) Web Service Security
(iii) IRDA Architecture and Protocol stack

2×8

