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A/6/13 An

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Question Paper Code : 21320

B.E./B.Tech. DEGREE EXAMINATION, MAY/JUNE 2013.

Seventh Semester

Computer Science and Engineering

CS 2402/CS 72 — MOBILE AND PERVASIVE COMPUTING

(Regulation 2008)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. What are the security issues in mobile networking?
2. What is Mobility management?
3. What are HIPERLANs?
4. Distinguish between WiFi and WIMAX.
5. Distinguish between proactive and reactive routing protocols.
6. What is DHCP?
7. What is the use of WML?
8. What is WAP?
9. Define Biometrics.
10. Name some applications of pervasive computing.

PART B — (5 × 16 = 80 marks)

11. (a) Discuss in detail on the CDMA technology with an example.

Or

- (b) Explain the Localization, calling and handover in GSM.

12. (a) Discuss in detail about the medium access control layer in IEEE 802.11

Or

(b) Explain the working principle of the MAC layer of Bluetooth.

13. (a) Give a detailed description of the concepts behind agent advertisement, discovery and registration in Mobile IP.

Or

(b) Discuss in detail about the Dynamic source routing with an example.

14. (a) Discuss in detail about the mobile TCP and list its advantages and drawbacks.

Or

(b) Discuss in detail about the mobile TCP and list its advantages.

15. (a) How is server-side security done in pervasive computing? Explain it in detail.

Or

(b) Write down the functionality of WAP in access via WAP.