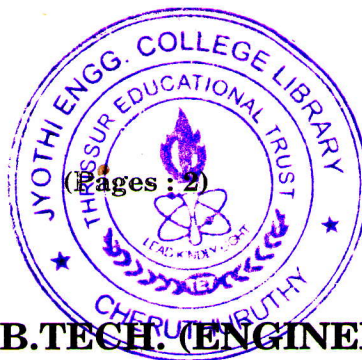


C 56287



Name.....

Reg. No.....

**EIGHTH SEMESTER B.TECH. (ENGINEERING) DEGREE
EXAMINATION, JUNE 2009**

CS 04 804 E / IT 04 802 – MOBILE COMMUNICATION SYSTEMS

(2004 Admissions)

Time : Three Hours

Maximum : 100 Marks

Part A

Answer all questions.

Each question carries 5 marks.

- I. 1. Define Signal Propagation.
2. Differentiate Hidden and Exposed Terminal.
3. What is hard handover and Soft handover.
4. Which types of different services does GSM offer ?
5. What is Hawaii ?
6. Define Tunnelling ?
7. Explain about Dynamic Source Routing.
8. Define Snooping TCP.

(8 × 5 = 40 marks)

Part B

Each question carries 15 marks.

- II. 1. (a) Explain in Detail about Multiplexing and its types.
(b) Discuss about Direct Sequence Spread Spectrum.

(8 + 7 = 15 marks)

Or

- (c) What is Guard Space & how it is realized between users in CDMA.
(d) Write in Detail about Multiple Access with Collision Avoidance.

(4 + 11 = 15 marks)

2. (a) Explain in Detail about GPRS.

Or

- (b) Discuss about Digital audio broadcasting.

(15 marks)

Turn over

3. (a) Discuss the following :-

- (i) Hyper LAN.
- (ii) IEEE 802.11 System and Protocol architecture.
- (iii) Blue tooth.

(4 + 6 + 5 = 15 marks)

Or

(b) Explain in detail about MAC Management.

(15 marks)

4. (a) Define IPV6. What are the advantages does the use of IPV6 offer for Mobility.

(b) Discuss about Mobile ad-hoc Networks.

(8 + 7 = 15 marks)

Or

(c) Explain how tunnelling works in general and especially for mobile IP using IP in IP - in- IP Minimal and generic routing Encapsulation.

(d) Explain in detail about mobile TCP.

(8 + 7 = 15 marks)

[4 × 15 = 60 marks]