

Roll No

IT - 702
B.E. VII Semester
 Examination, December 2014
Wireless and Mobile Computing

Time : Three Hours

Maximum Marks : 70

Note : Attempt all questions. With internal choice.

Unit - I

1. a) State some feature, application, of CDMA? 7
 b) Define efficiency of TDMA? 7
 OR
 2. a) Explain different type of fading model. 7
 b) Compare SDMA, TDMA, FDMA, CDMA. 7

Unit - II

3. a) What is meant by 'capacity on demand' principle in GPRS network? 14
 b) Distinguish between soft handoff and hard handoff.
 c) What are the types of GSM services? Explain. 14
 OR
 4. Draw the GMS architecture and explain the call establishment in GSM using the logical channel? 14

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Unit - III

5. a) Draw and explain the frame format of MAC management. 7
 b) Explain HIPERLAN in detail. 7
 OR
 6. a) Explain the architecture of IEEE 802.11. 7
 b) Explain the MAC management sublayer in terms of handoff and power management. 7

Unit - IV

7. a) What are the requirement of mobile IP? 7
 b) Explain Ad hoc network in terms of characteristic and performance issue? 7
 OR
 8. Explain following term: 14
 i) Snooping TCP
 ii) Indirect TCP

Unit - V

9. Explain in detail different biometric and authentication system? 14
 OR
 10. a) Explain different types of firewall and discuss design principle of firewall. 10
 b) Define intrusion detection system? 4
