

Code: R7420405

R7**B.Tech IV Year II Semester (R07) Advanced Supplementary Examinations June 2012****WIRELESS COMMUNICATIONS AND NETWORKS**

(Common to ECE, E.Con.E and ECC)

Time: 3 hours

Max Marks: 80

Answer any FIVE questions

All questions carry equal marks

- 1 (a) Explain in detail TDMA with neat block diagram.
(b) Explain briefly CSMA protocols.
- 2 (a) Differentiate wireless networks and fixed telephone networks.
(b) Explain traffic routing in wireless networks.
- 3 Explain about ISDN and BISDN in detail.
- 4 (a) Explain in detail WAP architecture.
(b) Explain about wireless datagram protocol.
- 5 (a) Explain the following:
(i) Infrared LANs (ii) Spread spectrum LANs
(b) Explain about standard IEEE 802.11 briefly.
- 6 (a) Explain about logical link control protocol.
(b) Briefly explain about WLL technology.
- 7 (a) What is meant by GSM, What are the different message services provided by GSM explain each.
(b) Explain briefly mobile application protocol.
- 8 Explain the following:
(a) HIPERLAN.
(b) Ad-hoc networking.
