



Code: 9D08201

M.Tech II Semester Supplementary Examinations February 2018

WIRELESS NETWORKS

(Computer Networks)

(For students admitted in 2012, 2013, 2014, 2015 & 2016 only)

Time: 3 hours

Max. Marks: 60

Answer any FIVE questions
All questions carry equal marks

- 1 (a) Discuss the development of wireless networks.
(b) Interpret the local remote IP address and mention private IP address ranges.
- 2 (a) Describe the wireless network interface cards.
(b) State that how RF and spread spectrum transmissions used in wireless networks.
- 3 (a) Give the schematic block diagram of an OFDM transmitter and receiver.
(b) Discuss the infrared communication basics.
- 4 (a) Tabulate and write the key features of the IEEE 802.11 standard suite.
(b) Discuss the 802.11 MAC layer distribution system services.
- 5 (a) Present the planning and designing the wireless LAN.
(b) Describe a case study of voice over WLAN.
- 6 (a) Explain the overview of IEEE 802.15 WPAN standards and task groups.
(b) State the origins and main characteristics of IrDA.
- 7 (a) Describe the 802.16 downlink frame structure.
(b) List and explain the four key elements need to be considered in selecting and locating capital equipment.
- 8 (a) Explain the features of ant colony inspired MANET Routing algorithms.
(b) Discuss the spectrum sharing approaches and challenges in cognitive radio.
