



Code: 9D08201

M.Tech II Semester Supplementary Examinations August/September 2018

**WIRELESS NETWORKS**

(Computer Networks)

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

Time: 3 hours

Max Marks: 60

Answer any FIVE questions  
All questions carry equal marks

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- 1 (a) Explain the diversity of wireless networks technologies.  
(b) Tabulate the elements of 802.11 MPDU frame structure and explain medium access control in wireless networks.
- 2 (a) Describe the wireless network topologies.  
(b) Explain the wireless LAN topology using a wireless switch.
- 3 (a) Explain the bit error rate (BER) and receiver sensitivity with examples.  
(b) Describe the pulse train in a TH-PPM impulse radio transmission.
- 4 (a) Explain the 802.11 network components.  
(b) Discuss the 802.11 MAC layer station services.
- 5 (a) Discuss the five key steps in the planning and implementation of a wireless LAN.  
(b) Describe the WLAN implementation steps.
- 6 (a) Explain the Bluetooth protocol stack.  
(b) Describe the wireless USB channel within MAC layer super frames.
- 7 (a) State the origins and main characteristics of 802.16 wireless MAN standards.  
(b) Describe 802.16 SS management connections.
- 8 (a) Describe wireless Mesh network routing.  
(b) Write and explain the feature and uses of Gigabit Wlans.

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