

Code: 9D08206a

M.Tech II Semester Supplementary Examinations February 2018

WIRELESS NETWORK SECURITY

(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 in detail about vulnerabilities of wireless networks.
(b) Briefly explain security authentication of UMTS.
- 2 (a) Identify the security principles of wireless mesh networks.
(b) Write about security challenges in wireless networks.
- 3 (a) Explain about malice and selfishness.
(b) Describe the concept of public key approach.
- 4 (a) What is wormhole attack?
(b) Discuss about attacks on Ad Hoc routing protocols.
- 5 (a) Discuss about source routing protocol.
(b) Briefly explain secure routing in sensor networks.
- 6 (a) What are the different privacy related notations and metrics?
(b) Briefly discuss about privacy preserving routing in Ad Hoc networks.
- 7 (a) Write about various operating principles of IEEE 802.11.
(b) Elaborate the concept of selfish behaviour in hotspots.
- 8 (a) Discuss about forwarding game and strategy space.
(b) Describe protocol for packet forwarding.
