



M.Tech II Semester Supplementary Examinations August/September 2018

WIRELESS NETWORK SECURITY

(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

- 1 (a) Describe various security requirements of wireless networks.
(b) Illustrate about GSM authentication protocol.
- 2 (a) Briefly discuss about mobile ad-hoc networks and hybrid ad-hoc networks.
(b) What is mobility in the internet?
- 3 (a) Discuss about protection techniques.
(b) Identify and explain various key types.
- 4 (a) Explain about on demand source routing.
(b) Illustrate various wormhole detection mechanisms.
- 5 (a) Explain authentication routing for Ad Hoc networks (ARAN).
(b) Briefly explain provable security for Ad Hoc networks.
- 6 (a) Identify various solutions for low cost tags.
(b) Discuss about privacy level provided by the mix zone.
- 7 (a) Discuss in detail about selfish behaviour in pure Ad Hoc networks.
(b) Explain basic access of CSMA/CA protocol.
- 8 (a) Write about the concept of meta model.
(b) Elaborate cooperation-optimal protocol.
