

14M2015005

Indian Institute of Information Technology, Allahabad
B.Tech(IT-6Sem)/DUAL DEGREE/M.TECH/Ph.D
MidSem-Exam -2018
Mobile and Wireless Network Security

Time: 2hrs

MM: 30

Note: Answer all questions. (All questions carry equal marks)

- Q1a) What are the parameters of the host of security problems introduced in wireless networks and wireless devices.
- b) Discuss how network security requirements vary in the following application scenarios of wireless networks(ref mobile security reference architecture)
1. Home Networks
 2. Classroom Networks
 3. Emergency search-and-rescue networks
 4. Military networks
- Q2a) What are different wireless network threats and what are different wireless security techniques.
- b) When is the network called Robust Security Network. Discuss the concept of RSN using ref IEEE802.11i
- Q3a) Discuss briefly the following:
1. the two services involved with the distribution of messages
 2. Phases of operation ref the standard IEEE802.11i
- b) Compare the Pros and Cons of the following:
1. Cellular data security mechanism
- Q4)How does mobile device security elements fall under the following category:
1. Device security
 2. client/server traffic security, and
 3. barrier security