

Time: 3 Hrs

Max Marks: 80

- N.B.: (1) Question No. 1 is compulsory.  
(2) Attempt any **three** questions out of remaining **five**.  
(3) Figures to the right indicate full marks

1. (a) Explain Bluetooth Eavesdropping. 5  
(b) Describe the advantages of Wireless Security 5  
(c) Explain essential characteristics of cloud computing. 5  
(d) Explain Mobile application security. 5
2. (a) What are the services provided in a GSM system? Explain how a mobile station connects. 10  
(b) Explain optimizing RFID Protocols for Low Information Leakage. 10
3. (a) Explain the two fundamental functions, identity management and access control, which are required for secure cloud computing. 10  
(b) Explain QoS aware routing for Mobile Ad-hoc Networks. 10
4. (a) Describe Scanning and Enumerating 802.11 Networks. 10  
(b) Explain the security and privacy issues in RFID 10
5. (a) Explain Software and Hardware Schemes for Security in Ad-hoc Networks. 10  
(b) What is trust Negotiation? Discuss the Weakness of Trust Negotiation. 10
6. (a) Explain different issues in Zigbee Security. 10  
(b) Explain key factors that contribute to security problems in wireless networks. 10