COURSE CODE : DCAP607
COURSE NAME : WIRELESS NETWORKS

Time Allowed: 03:00 hrs   *Max.Marks: 80*

1. This question paper is divided into two parts A and B.
2. Answer all the questions in serial order.
3. Part A contains 10 questions of 2 marks each. All questions are compulsory.
4. Part B contains 10 questions (Questions 2 to 11) of 10 marks each, attempt any 06 questions out of 10.
Attempt all parts of the selected question. Only first 06 attempted questions would be evaluated.
5. The student is required to attempt the question paper in English medium only.
6. Simple non programmable calculator is allowed.

PART A

Q1(a) Describe wireless network application.

(b) What do you understand by encryption?

(c) Differentiate between analog & digital signals?

(d) What is Antennae?

(e) Which standards define the wireless MANs?

(f) What do you mean by point-to-point wireless networks?

(g) What is base station?

(h) What do you mean by satellite?

(i) What are security threats.

(j) What are uses of the MAC filters for authentication?

PART B

Q2 Give a brief note of IEEE 802.11.

Q3 What is the modulation? Explain in details?

Q4 Briefly discuss the Bluetooth and its versions.

Q5 Explain the concept of base stations for wireless WAN.

Q6 Define the term Wireless Network. Explain the advantage of wireless network over wired network. Assume a scenario by your own.

Q7 "A man-in-the-middle attacker entices computers to log into a computer which is set up as a soft
AP (Access Point)." Explain Man in Middle Attack with support of given statement.
Q8 What is meaning of Wireless LAN? Also write three major issues with Wireless Networks.
Q9 Write a short note on SOHO Wireless Network Components with diagram.
Q10 What do you mean by SSID. Explain Shared Key Authentication Vulnerabilities with suitable diagram?
Q11 Draw the diagram of MBC network which is divided into the radio frequency (RF) part, the data transfer and processing part. Explain all network sub system includes in it.
-- End of Question Paper --