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) What are the benefits of wireless networks?
 (b) Define the important characteristics of digital signals.
 (c) What is the difference between Wi-Fi setup and wireless setup?
 (d) What is Routers?
 (e) What is the main difference between a bridge and an access point?
 (f) What is cable networking of point-to-point wireless network?
 (g) What is wireless WAN system?
 (h) Explain the concept of passive and active satellite.
 (i) What are security threats?
 (j) What are uses of the MAC filters for authentication?

PART B

Q2 Discuss the various 802.16 standards.
Q3 Define wireless WAN with help of an example.
Q4 Explain about the wireless network infrastructure.
Q5 Briefly discuss the Bluetooth and its versions.
Q6 Explain the 802.11 client authentication process which consists various transactions. Also list 802.11 Authentication vulnerabilities.
Q7 "Advances in satellite technology have given rise to a healthy satellite services sector that provides various services to broadcasters". Justify the statement.
Q8 Explain some threat which comes under modes of unauthorized access to links in detail.
Q9 Describe any three data transmission technologies used by WLAN.
Q10 Compare and contrast infrastructure network and infrastructure less network. Is infrastructure less network is better than infrastructure network? Justify your answer with suitable example.
Q11 What is meaning of Wireless LAN? Also write three major issues with Wireless Networks.

-- End of Question Paper --