

COURSE CODE: DCAP607
COURSE TITLE: WIRELESS NETWORKS

Time Allowed: 3 hours

Max. Marks: 80

1. *This paper contains 10 questions divided in two parts on 1 page.*
2. **Part A is compulsory.**
3. **In Part B (Questions 2 to 10), attempt any 6 questions out of 9. Attempt all parts of the selected question.**
4. *The marks assigned to each question are shown at the end of each question in square brackets.*
5. *Answer all questions in serial order.*
6. **The student is required to attempt the question paper in English medium only.**

Part A

- Q.1 (a) What do you mean by the term Wireless Networks? [2]
(b) Write the different applications of Wireless networks. [2]
(c) Define Piconet and Scatternet. [2]
(d) State the primary purpose of Base Station. [2]
(e) What are the benefits of IRDA as compared to Bluetooth? [2]
(f) Differentiate between Access Point and Wireless Access Router. [2]
(g) What type of user devices is most common in Wireless WAN? [2]
(h) Define the term Authentication. [2]
(i) Define the meaning of Polarization. [2]
(j) What do you mean by DoS Attacks? [2]

Part B

- Q.2 Explain the various Wireless Network System Components with proper diagram. [10]
Q.3 Discuss the Various types of Wireless Networks and their Benefits. [10]
Q.4 Elaborate the OSI Network Architecture with proper diagram and write the function of each layer. [10]
Q.5 Discuss the operation and various issues related to Wired Equivalent Privacy (WEP). [10]
Q.6 Write the specifications of Wireless LAN. Also discuss the various devices used in Wireless LAN. [10]
Q.7 Elaborate the various components of Wireless MAN with suitable diagrams. [10]
Q.8 With the help of proper examples, Describe man-in-the-middle and DoS attacks. [10]
Q.9. Explain the various Wireless PAN system Configurations. [10]
Q.10 Explain the different types of Modulation techniques used in Wireless WAN. [10]