

Student Registration Number

E

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

- Q1. a) List the various types of wireless networks. [2]
b) What are repeaters? [2]
c) What is remote accessing? [2]
d) What is security Policy? [2]
e) What is GUI? [2]
f) What are wireless routers? [2]
g) What are wireless transceivers? [2]
h) What are packet radio systems? [2]
i) What are MAC filters? [2]
j) Define Denial of Service(DoS) attack. [2]

PART-B

- Q2. What are cellular-based wireless WANs? Discuss in detail. [10]
- Q3. Compare and contrast the following:
a) Point to point and Point to multipoint system. [5]
b) Bridge and Access Point. [5] [10]
- Q4. Elaborate the concept of authentication using public key cryptography. [10]
- Q5. a) Compare and contrast Public and Adhoc wireless LANs. [5]
b) List the pros and cons of RF signals. [5] [10]
- Q6. Discuss the various components of wireless MAN in detail. [10]
- Q7. What are security threats? Discuss the various security threats in wireless networks. [10]
- Q8. a) List the various applications of SMS. [5]
b) What is the meaning of Soho? List its various applications. [5] [10]
- Q9. What is wireless LAN? Discuss its various components in detail. [10]
- Q10. Define wireless PAN. Explain the various technologies of wireless PAN. [10]