

TB206765W

Reg. No : .....

Name : .....

**BCA DEGREE (C.B.C.S.) EXAMINATION, MARCH 2023**  
**(2020 Admission Regular, 2019, 2018 Admissions Supplementary)**  
**SEMESTER VI - CORE COURSE (CLOUD TECHNOLOGY AND INFORMATION SECURITY MANAGEMENT)**  
**BCA6B22B18 - MOBILE, WIRELESS AND VOIP SECURITY**

**Time : 3 Hours**

**Maximum Marks : 80**

**Part A**

**I. Answer any Ten questions. Each question carries 2 marks**

**(10x2=20)**

1. What is mobile communication?
2. What is bio-metric system? List out some examples of bio-metrics?
3. Write the ways to keep wireless network secure.
4. Draw the structure of an IP address.
5. Draw the diagram of information security life cycle.
6. Draw the hierarchy in policies and procedures used in organisations.
7. What are the advantages of VOIP management system?
8. What is the use of Soft phones?
9. What are the solutions for decreasing DoS attack in VOIP network?
10. List the types of data acquisition?
11. List out the steps in Proactive Component.
12. Define Mini, Micro and Nano SIM.

**Part B**

**II. Answer any Six questions. Each question carries 5 marks**

**(6x5=30)**

13. Write a note on benefits of wireless communication.
14. Write a short note on 1G, 2G, 3G and 4G wireless network?
15. Explain Principles and practices of modern wireless network security system.
16. Briefly explain the approaches to risk analysis.
17. Explain QoS for VOIP?
18. Explain RTP with neat diagrams.
19. Explain the threats and risks in VOIP networks.
20. Draw the diagram of cellular phone evidence extraction process and explain the evidence intake phase.
21. Briefly explain the identification phase in data extraction process.

**Part C**

**III. Answer any Two questions. Each question carries 15 marks**

**(2x15=30)**

22. Briefly explain modern wireless communication system with suitable diagrams.
23. Write a note on (i) OS security (5 Marks) (ii) Web browser security (5 Marks) (iii) Server security (5 Marks)
24. Briefly explain (i)Antivirus for VOIP security. (ii) VOIP Authentication.
25. Briefly explain evidence intake phase and preservation phase.