TB246212L

Reg. No :..............................

Name :..............................

BACHELOR'S DEGREE (C.B.C.S) EXAMINATION, MARCH 2024
2021 ADMISSIONS REGULAR
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. Define mobility and portability.

2. Draw the diagram of simple schematic of data encryption over wireless networks.

3. What do you mean by Channel allocation? List out the three methods of channel allocation?

4. List out the types of firewalls.

5. How to increase the security of a web browser?

6. What is Dual-Homed Host Firewall?

7. Expand SIP and MGCP protocols.

8. What do you mean by Over-subscribing resources?

9. What are the advantages of VOIP management system?

10. What are the Hardware Characteristics of basic mobile phones and smart phones?

11. What do you meant by chip-level analysis?

12. List out the steps in Proactive Component.

Part B

II. Answer any Six questions. Each question carries 5 marks   (6x5=30)

13. Write the difference between wired and wireless communication.

14. Write a short note on 1G, 2G, 3G and 4G wireless network.

15. Briefly explain common threat to network security.

16. Explain the classification and need for firewalls.

17. Draw the diagram of voice data processing in a VOIP system.

18. Explain user and device verification in Authentication.

19. With the help of a diagram explain physical security measures to be taken in an organization.

20. Write a short note on the purpose of mobile forensics.

21. Briefly explain the SIM card characteristics of a mobile phone.

Part C

III. Answer any Two questions. Each question carries 15 marks   (2x15=30)

22. Write a note on 1G, 2G and 3G Wireless Networks.

23. Write a note on a)OS security b)Web browser security c) Server security

24. Briefly explain (i)Antivirus for VOIP security. (ii) VOIP Authentication.

25. Explain characteristics and architecture of devices involved in mobile forensics.