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III Semester B.C.A. Degree Examination, December/January - 2025/26**COMPUTER SCIENCE****Cyber Security****(SEP Scheme Freshers)****Time : 2 Hours****Maximum Marks : 40****Instructions to Candidates:**

1. Answer All the parts.
2. Write neat labelled diagrams wherever required.

PART - A**I Answer any FIVE questions. Each question carries 2 marks.****(5×2=10)**

1. List any four types of Cyber Crimes.
2. Define Vulnerability.
3. What is Phishing?
4. Define User Authentication.
5. State any two secure password policies.
6. Give any two functions of firewall.

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PART - B**II Answer any FOUR questions. Each question carries 5 marks.****(4×5=20)**

7. Explain Malware and its types.
8. Explain the components of Cryptography with a neat diagram.
9. Write a note on Two-Factor Authentication (2FA).
10. What are Cookies? Describe how they affect user privacy.

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11. Explain the importance of Access Control in digital world.
12. Discuss features of Antivirus and Anti-malware Software.

PART - C

III. Answer any ONE question. This question carries 10 marks. (1×10=10)

13. Define Cryptography. Explain Symmetric and Asymmetric Cryptography with a neat diagram. (10)
14. a) Explain importance of Secure Password Policies. (5)
b) Explain the role of HTTPs and SSL in ensuring secure communication. (5)

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