

Reg No:.....

K25FY2411.B

Name :.....

Second Semester FYUGP Computer Science Examination
APRIL 2025 (2024 Admission onwards)
KU2DSCCAP108 (CYBER SECURITY AND ETHICS)
(DATE OF EXAM: 30-4-2025)

Time : 120 min

Maximum Marks : 70

Part A (Answer any 6 questions. Each carries 3 marks)

1. What major developments led to the modern Internet? 3
2. What is the function of an operating system? 3
3. What is cyber security? 3
4. What is a social network? 3
5. What are some common features found on social media platforms? 3
6. What is a password security policy? 3
7. What are the risks of delaying or ignoring security patches? 3
8. What is a Network Firewall? 3

Part B (Answer any 4 questions. Each carries 6 marks)

9. Compare the use of email and messaging apps (like WhatsApp) for communication. What are their similarities and differences in terms of speed, accessibility, and security? 6
10. If a small business wants to protect its computers from cyber threats, how should it implement basic security measures effectively? 6
11. Evaluate the effectiveness of current international cyber laws in preventing cyber crimes. What improvements would you suggest? 6
12. Discuss the role of encryption in protecting mobile data. How does full-disk encryption differ from file-level encryption on mobile devices? 6
13. How can an attacker exploit an unsecured public Wi-Fi network? What steps should users take to stay secure when using public Wi-Fi? 6
14. How does a host firewall help in preventing cyber threats? Provide an example of a scenario where a firewall blocked a malicious attack. 6

Part C (Answer any 2 question(s). Each carries 14 marks)

15. Evaluate the effectiveness of cybercrime reporting mechanisms in India and suggest improvements. 14

16. Imagine you are a business owner who just suffered a cyberattack. What immediate steps would you take to minimize damage and prevent future attacks? 14
17. Design a simple privacy guide for new social media users. Include steps to manage privacy settings, report harmful content, and avoid common pitfalls. 14

Don Bosco Arts and Science College
Library
Angadikadavu, Kannur
lib.donbosco.ac.in

