

Reg. No.																			
----------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Question Paper Code	13630
---------------------	-------

**B.E. / B.Tech. - DEGREE EXAMINATIONS, APRIL / MAY 2025**

**Sixth Semester**

**Computer Science and Engineering (Cyber Security)**

**20SCPC603 - CYBER LAW AND ETHICS**

Regulations - 2020

Duration: 3 Hours

Max. Marks: 100

**PART - A (MCQ) (10 × 1 = 10 Marks)**

Answer ALL Questions

	Marks	K – Level	CO
1. Identify the following laws, which was one of the first to criminalize unauthorized access to computer systems? (a) GDPR (b) Computer Fraud and Abuse Act (c) IT Act (d) Budapest Convention	1	K1	CO1
2. Which act governs cyber laws in India? (a) Cyber Security Act (b) Information Technology Act, 2000 (c) Digital Privacy Act (d) Internet Governance Act	1	K1	CO1
3. Which of the following is an example of a cybercrime? (a) Identity theft (b) Hacking (c) Phishing (d) All of the above	1	K1	CO2
4. Under the GDPR, organizations must report a data breach within (a) 12 hours (b) 24 hours (c) 72 hours (d) One week	1	K1	CO2
5. Where does US law regulates the privacy and security of health information? (a) HIPAA (b) FERPA (c) GLBA (d) FISMA	1	K1	CO3
6. In ethical principle in Cyber security emphasizes those Cyber security professionals should prioritize the rights and privacy of users while handling data? (a) Integrity (b) Transparency (c) Confidentiality (d) Accountability	1	K1	CO3
7. Which professional code of conduct is widely recognized in the field of Cyber security? (a) IEEE Code of Ethics (b) EC-Council Code of Ethics (c) ACM Code of Ethics (d) All of the above	1	K1	CO4
8. In real-world case highlighted the ethical issues related to whistle blowing in cyber security? (a) Edward Snowden and NSA Surveillance (b) Yahoo Data Breach (c) Face book-Cambridge Analytical Scandal (d) All of the above	1	K1	CO4
9. What is the first step in the digital forensic process? (a) Analysis (b) Preservation (c) Collection (d) Identification	1	K1	CO5
10. The NIST is an agency that provides Cyber security frameworks in which country? (a) UK (b) USA (c) Germany (d) Canada	1	K1	CO6

**PART - B (12 × 2 = 24 Marks)**

Answer ALL Questions

11. Define cyber law.	2	K1	CO1
12. Why is cyber law important in the digital age?	2	K1	CO1
13. What is hacking and how does it differ from ethical hacking?	2	K1	CO2
14. Where does malware exploit system vulnerabilities?	2	K1	CO2
15. Compare between GDPR and CCPA in terms of data privacy regulations.	2	K2	CO3
16. Write the purpose of the ISO/IEC 27001 standard.	2	K1	CO3
17. Compare between full disclosure and responsible disclosure of vulnerabilities.	2	K2	CO4
18. State ethical issues arise in penetration testing.	2	K1	CO4
19. Define the role of digital forensics in cybercrime investigation.	2	K1	CO5

- |   |   |    |     |
|---|---|----|-----|
| 20. Compare difference between proactive and reactive cybercrime investigation. | 2 | K2 | CO5 |
| 21. Write the role of government agencies in cyber law governance.              | 2 | K1 | CO6 |
| 22. State law enforcement agencies handle cybercrimes.                          | 2 | K1 | CO6 |

**PART - C (6 × 11 = 66 Marks)**

Answer ALL Questions

- |   |    |    |     |
|---|----|----|-----|
| 23. a) Explain the significance of cyber law in the modern digital world. | 11 | K2 | CO1 |
|---|----|----|-----|

**OR**

- |   |    |    |     |
|---|----|----|-----|
| b) Describe the fundamental principles of cyber law, and how do they apply to modern cyber regulations. | 11 | K2 | CO1 |
|---|----|----|-----|

- |  |    |    |     |
|--|----|----|-----|
| 24. a) Explain the different types of cybercrimes and their impact on society. | 11 | K2 | CO2 |
|--|----|----|-----|

**OR**

- |  |    |    |     |
|--|----|----|-----|
| b) Summarize the role of malware in cybercrimes and explain its types. | 11 | K2 | CO2 |
|--|----|----|-----|

- |   |    |    |     |
|---|----|----|-----|
| 25. a) Discuss the key Cyber security laws and regulations governing government agencies and private organizations. | 11 | K2 | CO3 |
|---|----|----|-----|

**OR**

- |  |    |    |     |
|--|----|----|-----|
| b) Illustrate the Cyber security incident reporting and breach notification laws in different jurisdictions. | 11 | K2 | CO3 |
|--|----|----|-----|

- |   |    |    |     |
|---|----|----|-----|
| 26. a) Describe some ethical dilemmas in penetration testing and ethical hacking? Provide examples. | 11 | K2 | CO4 |
|---|----|----|-----|

**OR**

- |  |    |    |     |
|--|----|----|-----|
| b) Explain the various Hat hackers with its example. | 11 | K2 | CO4 |
|--|----|----|-----|

- |   |    |    |     |
|---|----|----|-----|
| 27. a) Determine the main challenges in collecting and preserving digital evidence. | 11 | K3 | CO5 |
|---|----|----|-----|

**OR**

- |   |    |    |     |
|---|----|----|-----|
| b) Develop the role of digital forensics in prosecuting cybercriminals. | 11 | K3 | CO5 |
|---|----|----|-----|

- |   |    |    |     |
|---|----|----|-----|
| 28. a) Compute the role of government agencies in cyber law governance. | 11 | K3 | CO6 |
|---|----|----|-----|

**OR**

- |  |    |    |     |
|--|----|----|-----|
| b) Estimate the contrast Cyber security policies at the national and international levels. | 11 | K3 | CO6 |
|--|----|----|-----|