

K. J. Somaiya Institute of Technology, Sion, Mumbai-22
(Autonomous College Affiliated to University of Mumbai)

| | | |
|--------------------------------------------------------------------------------------------------|----------------------|----------------|
| Nov – Dec 2024-25 | | |
| (M. Tech.) Program: <u>AI</u> Scheme I/II/IIB/III: <u>II</u> | | |
| Regular/Supplementary Examination: <u>FY/SY/TY/LY</u> Semester: <u>I/II/III/IV/V/VI/VII/VIII</u> | | |
| Course Code: PCEILC 1056 and Course Name: Cyber Security and law | | |
| Date of Exam: <u>17</u> January 2025 | Duration: 02.5 Hours | Max. Marks: 60 |

Instructions:

- (1) All questions are compulsory.
- (2) Draw neat diagrams wherever applicable.
- (3) Assume suitable data, if necessary.

| Q. No. | Question | Max. Marks | CO | BT level |
|------------|----------------------------------------------------------------------------------------|------------|------|----------|
| Q 1 | Solve any two questions out of three: (05 marks each) | 10 | | |
| a) | Examine the common HIPAA violations Causes and what are its categories? | | CO 1 | 4 |
| b) | Determine the Categories of password cracking attacks and give examples? | | CO2 | 3 |
| c) | Predict high-Level Threats and Vulnerabilities for mobile use at organizational level. | | CO3 | 4 |
| Q 2 | Solve any two questions out of three: (05 marks each) | 10 | | |
| a) | Illustrate the Bonnets structures used in cyber crimes | | CO 2 | 3 |
| b) | Recommend techniques for Neutralizing Attack Vectors. | | CO3 | 5 |
| c) | Illustrate Proxy servers and Anonymizers. | | CO4 | 3 |
| Q.3 | Solve any two questions out of three. (10 marks each) | 20 | | |
| a) | Illustrate Preservation and retention of information by intermediaries as per IT Act | | CO 4 | 3 |
| b) | Summarize Notable features of the ITAA | | CO5 | 2 |
| c) | Explain why phishing increases during a crisis? | | CO6 | 2 |
| Q.4 | Solve any two questions out of three. (10 marks each) | 20 | | |
| a) | Differentiate between Steganography and cryptography | | CO 2 | 2 |
| b) | Assess Emerging trends of cyber law. | | CO4 | 4 |
| c) | Recommend any four steps for creating Cyber security Awareness. | | CO6 | 5 |