

GUJARAT TECHNOLOGICAL UNIVERSITY

BE- SEMESTER-VI EXAMINATION – WINTER 2025

Subject Code:3161925

Date:04-12-2025

Subject Name: Cyber Laws and Ethics

Time:02:30 PM TO 05:00 PM

Total Marks:70

Instructions:

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.
4. Simple and non-programmable scientific calculators are allowed.

| | | MARKS |
|------------|--|-------|
| Q.1 | (a) Define Cyber Jurisprudence. | 03 |
| | (b) What is Cyber Jurisdiction? How does it help in cross-border cybercrime cases? | 04 |
| | (c) List different types of cybercrimes and explain the ethical issues involved in them. | 07 |
| Q.2 | (a) Why are Digital Signatures important under the IT Act? | 03 |
| | (b) What is the difference between Public and Private Cryptography? | 04 |
| | (c) How does the IT Act recognize Electronic Records and what role do Certifying Authorities play? | 07 |
| OR | | |
| Q.3 | (c) Define key terms used in the IT Act 2000. | 07 |
| | (a) What are the penalties for using Digital Signatures without permission under the IT Act? | 03 |
| | (b) Discuss the disputes related to Domain Names under Copyright Law. | 04 |
| | (c) How does Alternative Dispute Resolution (ADR) work in cybercrime cases? | 07 |
| OR | | |
| Q.3 | (a) Discuss key features of Patent Law in relation to Cyber Law. | 03 |
| | (b) What is the difference between Copyright and Patent? | 04 |
| | (c) Explain how E-Commerce Payment Systems work. | 07 |
| Q.4 | (a) What is a Business-to-Business (B2B) E-commerce model? | 03 |
| | (b) Explain Electronic Payments important in E-commerce. | 04 |
| | (c) What legal problems can arise in managing the Supply Chain in electronic business? | 07 |
| OR | | |
| Q.4 | (a) What is a Business-to-Consumer (B2C) E-commerce model? | 03 |
| | (b) Why is Electronic Data Interchange (EDI) important in e-business? | 04 |
| | (c) Discuss elements of business taxation in detail. | 07 |

- Q.5** (a) Why are Cyber Regulations necessary for today's information society? **03**
- (b) What legal problems can arise from using AI in decision-making systems? **04**
- (c) What are the ethical issues involved in using Blockchain Technology for business? **07**
- OR**
- Q.5** (a) Discuss the ethical challenges of using AI in decision-making? **03**
- (b) Define Cyberbullying, and how can it be prevented? **04**
- (c) Why are ethical standards important in AI-driven cybersecurity? **07**
