Exam.Code:0919
Sub. Code: 33459

2076

B.E. (Computer Science and Engineering)
Seventh Semester
CS-703: Cyber Laws and IPR

Time allowed: 3 Hours Max. Marks: 50

***NOTE:*** *Attempt five questions in all, including Question No. I which is compulsory and selecting two questions from each Unit.*

*x-x-x*

I. Attempt the following:-

a) What is a hash function in digital security?

b) Define cyber jurisdiction.

c) What do you mean by "legal aspects of E-commerce"?

d) What is the difference between copyright and patent?

e) Define end-to-end encryption. (5x2)

**UNIT - I**

II. Explain the role of Network Security Architecture in protecting digital information. Discuss how encryption techniques (symmetric, asymmetric, and hashing) are used together to establish secure communication in modern networks. (10)

III. What is Cyber Law? Discuss its importance, components, and relevance in today's digital world. (10)

IV. Describe the major E-Commerce models—B2B, B2C, C2C, and B2G—highlighting their structure, purpose, and real-world applications. Further, analyze the emerging trends and growth prospects of the e-commerce sector in India. (10)

**UNIT - II**

V. Explain the Budapest Convention on Cybercrime. Why is international cooperation necessary for cybercrime investigation? (10)

VI. Explain the difference between cyber offences, cyber contraventions, and intermediary liability. Support your answer with sections of the IT Act. (10)

VII. Evaluate the challenges of enforcing copyright on social media platforms. How effective are automated takedown systems (like YouTube Content ID). (10)

*x-x-x*