

Semester End Examination - January 2022
Course Code : CSE 607 Course Name: Cyber Security and Laws
School of Engineering & Information Technology

Programme: M.Tech (CSE)**Time: 3 hrs****Semester: III****Max. Marks:100****PART - A (10 questions X 2 marks = 20 Marks)****Answer ALL the Questions**

1. Attempt all parts. All parts carry equal marks. Write answer of each part in short.
 - a. Define cyber security. [2]
 - b. What is public key cryptography? [2]
 - c. What is passive attack? [2]
 - d. What is residual risk? [2]
 - e. What is zombie? [2]
 - f. Differentiate firewall and VPN. [2]
 - g. Is hacking always for financial gain? Explain. [2]
 - h. What is keylogger and spyware? [2]
 - i. What are the different types of backup security measures used in information system? [2]
 - j. What is need for information security? [2]

PART - B (4 questions X 5 marks = 20 Marks)**(Answer all questions)**

2. Explain different types of information system. [5]
3. How you can manage physical security of IT assets? [5]
4. Explain the difference between worms and trapdoors. [5]
5. Explain Intrusion prevention system in detail. [5]

PART - C (3questions X 10 marks = 30 Marks)**Answer Three out of Four Questions**

6. Explain different type of threat to information system. [10]
7. How security risk analysis performed? Explain. [10]
8. What are the different acts of human errors or failure and how it can be prevented? [10]
9. What are the different types of security technology used to prevent threats and attacks? [10]

PART - D (2questions X 15 marks = 30 Marks)**Answer Two out of Three Questions**

10. Discuss cyber law in India? Also explain copy right law and license in context to software. [15]
11. What do you mean by access control? Describe ACL policies in details. [15]
12. Explain risk management and risk control strategies. [15]