

Code No: 5405AZ**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD****M.Tech I Semester Examinations, October/November - 2021****FUNDAMENTALS OF CYBER SECURITY****(Common to Struc., Engg., VLSI System Design , VLSI and ES)****Time: 3 Hours****Max. Marks: 75**

Answer any Five questions
All questions carry equal marks

1. Describe the following
 - a) Cyber attack detection
 - b) Cyber attack prevention.[7+8]

2. How do you perform cyber security investigation/assessment? [15]

3. Explain the following:
 - a) Password cracking
 - b) Virus attacks
 - c) Pornography.[5+5+5]

- 4.a) Explain software privacy issues and challenges.
b) Write a note on intellectual property. [7+8]

5. Describe the following
 - a) SSL VPNs
 - b) Firewall policies.[7+8]

6. Explain following:
 - a) SSL
 - b) SET.[7+8]

- 7.a) Explain the data leakage prevention.
b) How do you design a secure operating system? [7+8]

- 8.a) How do you analyze topological vulnerability.
b) "Out of band methods forcing cyber criminals to innovate". Justify. [7+8]

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