

**R17**

Code No: 5405AZ

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**

**M.Tech I Semester Examinations, July/August - 2021**

**FUNDAMENTALS OF CYBER SECURITY**

**(Common to DSCE, Struc. Engg., VLSI and ES, VLSI System Design)**

**Time: 3 Hours**

**Max. Marks: 75**

**Answer any Five questions  
All questions carry equal marks**

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- 1.a) Mention the issues of cyber security.
- b) How do you detect and prevent the Cyber Attacks? Explain. [5+10]
2. Explain following:
  - a) Botnet
  - b) Logic bombs. [7+8]
3. Explain the Security management in
  - a) Patch and Vulnerability Management,
  - b) Password Management. [7+8]
4. Illustrate E-Mail security using pretty good privacy. [15]
- 5.a) How do you analyze the topological vulnerability?
- b) How do you provide privacy in location-Based Applications? [7+8]
6. Explain the following:
  - a) Cyber Security Investigation/assessment
  - b) Cyber threats and Weaponry. [7+8]
7. Explain following:
  - a) DoS attacks
  - b) Phishing attacks. [7+8]
8. Illustrate SSL and SET protocols for web security. [15]

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