

# **Indian Institute of Information Technology, Sri City, Chittoor**

Mid Semester Examination – September 2021

Introduction to Cyber Security

SET - 2

Maximum Marks: 20

Time Duration: 1.5 hr.

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## **Instructions**

1. This is a **closed book online proctored** exam.
    - a. You should not refer to books, notes or online resources.
    - b. You should not discuss questions or answers with anyone (including outsiders)
    - c. You should have your camera and microphone **ON** at all times and no headphones
  2. Write the solutions clearly and legibly in A4 sheets, using pen (NOT pencil) and at the end of the exam you should submit the scanned copy of your solutions as explained by the faculty
  3. **The name of the scanned copy should be Roll No + ‘\_’ + Set No.pdf (e.g. S20200010XYZ\_Set2.pdf).**
  4. **Write your name, roll no. and set number on each page of the answer sheets.**
  5. **Answer questions in brief and to the point only.**
  6. Follow all other instructions given by the faculty during the exam
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## **Descriptive Questions (4 marks each)**

1. Explain any five fundamental security design policies.
2. Describe some of the vulnerabilities with password based authentication.
3. Why security of a network is important. Describe the possible ways to secure a network from various attacks.
4. Explain how does end-point security work. Also discuss various advanced end-point security solutions.
5. Explain the difference between authentication and authorization. Describe the different policies that can be used to authenticate a user.