322833(22)

B. E. (Eighth Semester) Examination, April-May 2021

(New Scheme)

(CSE, IT Branch)

CYBER SECURITY

Time Allowed : Three hours

Maximum Marks : 80

Minimum Pass Marks : 28

Note : Attempt all questions. Part (a) is complsory with 2 marks. Attempt any two from (b), (c) and (d) each question 7 marks.

Unit-I

1. (a) Define the term Cyber.

    (b) Explain the concepts of Authentication, Authorization

and Confidentiality.

(c) What are the different types of Cyber Crimes? Explain in brief.

(d) Write short notes on :

(i) Cyber Crime

(ii) Cyber Criminal

(iii) AAA in Security concept

Unit-II

2. (a) Why attackers use proxies?

(b) What do you mean by Phishing? Explain the role of malicious mobile code as a Fraud Technique.

(c) Explain advanced fast flux with suitable diagram.

(d) Explain Click Fraud in detail.

Unit-III

3. (a) Define exploitation in Web Space?

(b) Explain the Race Conditions and DOS Conditions.

(c) Explain DNS Amplification Attacks with example.

(d) What is a brute force attack? Is strong encryption effective against brute force attacks? Explain.

Unit-IV

4. (a) Give the main difference between Digital Signature and Electronic Signature.

(b) Explain IT ACT 2000 and its provisions.

(c) Explain E-Governance and also give details about some E-governance project in India.

(d) What are the steps for Legal Recognition of Digital Signature Certificate?

Unit-V

5. (a) What is Electronic Data Base and how can we protect it?

(b) What are the issues related to Online Dispute Resolution (ODR).

(c) Write brief on IT Act and Criminal Procedure Code.

(d) What are the Relevant Sections of Reserve Bank of India Act?