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B. E. (Eighth Semester) Examination, Nov.-Dec. 2021

(New Scheme)

(CSE, IT Engg. Branch)

CYBER SECURITY

Time Allowed : Three hours

Maximum Marks : 80

Minimum Pass Marks : 28

*Note : Attempt all questions. Each question part a carries 2 marks and from part (b), (c) and (d) carries 7 marks. Attempt any **two** parts from (b), (c) and (d) on each question.*

Unit-I

1. (a) Who are cyber criminals?

(b) What is cyber crime? Note down the profiles of cyber criminals and cyber crime victims.

(c) Elaborate cyber crime play a vital role against person, property and govt. to protect all valuable information and rights?

(d) Discuss the different security threats and their goals.

Unit-II

2. (a) How to use of proxies in internet?

(b) What is tunneling techniques? And how it works?

(c) What is Phishing attack? Elaborate the Anti-Phising Techniques and Phishing Techniques.

(d) Explain the Fast-Flux and Advance Fast Flux Technique with suitable net sketch.

Unit-III

3. (a) What is Shellcode?

(b) What the means of race conditions? How to detecting and preventing the race conditions?

(c) Elaborate the social engineerin. Discuss the popular types of social engineering attack.

(d) What is SQL injection attacks and how it works? Discuss the types of SQL injection attacks.

Unit-IV

4. (a) Comment on "Legal Recognition of e-records."

(b) Write a note on the overview of IT ACT-2000 by specifying different chatpters, sections and major sections dealing with crime.

(c) Explain the liability aspect of the Internet Service Provider as per the Information Technology Act, 2000.

(d) What is electronic governance? Discuss the variables of E-governance and Interactions in e-Governance.

Unit-V

5. (a) How Law relating to Employees and Internet?

(b) What is the role of copyright and patent law in software development? And also differentiate the both of them in terms of software.

(c) Effective enforcement of Intellectual Property encourages economic development. Comment on.

(d) How civil procedure code different from the criminal procedure code. Comment on it.