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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.

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- 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.

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