U.S.N

P.E.S. College of Engineering, Mandya - 571 401
(An Autonomous Institution affiliated to VTU, Belagavi)
Eighth Semester, B.E. - Information Science and Engineering
Semester End Examination; May/June - 2019
Cyber Security

Time: 3 hrs | Max. Marks: 100

*Note: Answer **FIVE** full questions, selecting **ONE** full question from each unit.*

UNIT - I

1 a.	What is Cyber Security? With a neat diagram, explain Cyber Security policy perspective.	10
b.	Describe Cyber Security Management cycle.	10
2 a.	Discuss about the various domains of Cyber Security policy.	10
b.	Explain how e-commerce domain increased Cyber Security threats?	10

UNIT - II

3 a.	Explain; i) Cyber space ii) Cyber Squatting iii) Cyber punk iv) Cyber warfare v) Cyber terrorism	10
b.	What is the purpose of Hacking?	5
c.	Explain about the various pornographic offences.	5
4 a.	Explain how criminals plan the attack?	10
b.	What is cyber stalking? How stalking works? Describe with case study.	10

UNIT - III

5 a.	List and explain any five password cracking tools.	10
b.	What is a virus? List and explain different types of virus and also explain how viruses spread?	10
6 a.	What is DOS / DDOS attack? Explain the different types of DOS attack and also explain the tools used to launch DOS attack.	10
b.	Discuss about buffer overflow and different types of buffer overflow and explain how to minimize buffer overflow?	10

UNIT - IV

7 a.	Define phishing. Describe the methods used for phishing attack.	10
b.	Discuss about SPAMBOTS and CAN-SPAM ACT.	10
8 a.	With a flow chart, explain how phishing attack happens?	10
b.	Explain how to avoid being victim of phishing attack?	10

UNIT - V

9 a.	Explain chapter III, IV and V of Indian ITA 2000.	12
b.	Discuss about the broad view of Cyber crime law scenario in Asia pacific region.	8
10 a.	Discuss about the admissibility of electronic records, Amendment made in the Indian ITA 2000.	10
b.	Outline challenges to Indian law and Cyber crime scenarios in India.	10

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