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P.E.S. College of Engineering, Mandya - 571 401

(An Autonomous Institution affiliated to VTU, Belgaum)

Seventh Semester, B.E. - Information Science and Engineering

Semester End Examination; Dec - 2016/Jan - 2017

Cyber Security

Time: 3 hrs

Max. Marks: 100

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

UNIT - I

- 1 a. Distinguish between Cyber security policy and Cyber Security strategy. 10
- b. Explain Cyber Security management cycle. 10
- 2 a. Explain how e-commerce domain increased Cyber Security threats? 10
- b. Point-out confidentiality, integrity and availability in Cyber Security. 10

UNIT - II

- 3 a. Distinguish between Techno-crime and Techno-vandalism. 10
- b. Classify cybercrimes and give example for each one. 10
- 4 a. List and explain three phases involved in cybercrime attack. 10
- b. Define cyberstalking. Distinguish between online and offline stalkers. 10

UNIT - III

- 5 a. Relate with a suitable example the necessity of password cracking. 10
- b. List and explain any Four password cracking tools. 10
- 6 a. Explain different categories of Virus. 10
- b. Describe various measures to protect from DOS/DDOS attack. 10

UNIT - IV

- 7 a. Discover the methods used by Phishers to get the information. 10
- b. Distinguish between Deceptive Phishing and Session hijacking. 10
- 8 a. Describe the various techniques used by Phishers to launch phishing attacks. 10
- b. Explain different measures to avoid Phishing attack. 10

UNIT - V

- 9 a. Describe the necessity of cyberlaws in India. 10
- b. Explain CHAPTER III of Indian ITA 2000. 10
- 10 a. Outline cybercrime challenges to Indian law. 10
- b. With a neat diagram, explain the Cyber Security perspective of European Union. 10