R15

Code No: 824AR

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
MCA IV Semester Examinations, June/July - 2018
CYBER SECURITY

Time: 3hrs   Max.Marks:75

Note: This question paper contains two parts A and B.
        Part A is compulsory which carries 25 marks. Answer all questions in Part A. Part B
        consists of 5 Units. Answer any one full question from each unit. Each question carries
        10 marks and may have a, b, c as sub questions.

PART - A

                                                                    5 × 5 Marks = 25

1.a)	Give a note on social engineering and cyber stalking.	[5]
b)	What are the security challenges posed by mobile devices?	[5]
c)	Briefly explain about cybercrime and punishment.	[5]
d)	Explain the challenges in computer forensics.	[5]
e)	What is the cost of cybercrimes and List the IPR issues?	[5]

PART - B

                                                                    5 × 10 Marks = 50

2.   Explain the concept of Botnets in detail.   [10]
                                  OR
3.a)   Discuss about Cybercrime and Information security.
  b)   Explain the global perspective on cybercrimes.   [5+5]

4.a)   List and explain the attacks on Mobile/Cellphones.
  b)   What are the security implications for organizations? Discuss [5+5]
                                  OR
5.a)   Discuss about proliferation of Mobile and Wireless Devices.
  b)   Explain the credit card frauds in mobile and wireless computing. [5+5]

6.a)   List and explain the legal landscape around the world.
  b)   Explain the challenges to Indian Law.   [5+5]
                                  OR
7.a)   Explain the Digital signatures and the Indian IT Act.
  b)   What are the amendments to the Indian IT Act? Discuss.   [5+5]

8.a)   Give a brief note on Computer Forensics, Cyber Forensics and Network Forensics.
  b)   Briefly explain about Forensics analysis of Email.   [5+5]
                                  OR
9.a)   Explain the concept of Chain of Custody.
  b)   Give a note on Digital Forensics science and Forensics Auditing. [5+5]

10.a)   Describe the Security and Privacy Implications.
   b)   Discuss about the security risks and perils for organizations. [5+5]
                                  OR
11.a)   Explain Social Computing and the associated challenges for organizations.
   b)   What are the web threats for organizations? Explain.   [5+5]