Maulana Azad National Urdu University

Master of Computer Application

V Semester Examination November/December - 2015

CS353 : Information Security

Total Marks : 70   Time : 3 hours

Attempt any five questions. Each question carries equal marks.   14*5 = 70

1.a) Name three advantages certified professionals have over non-certified professional when applying for a job. Think about how certification benefits employees and employers in job seeking efforts. And also explain the following:

(10 Marks)

- CISCO qualified specialist program
- Microsoft Certified Systems Engineer Security Specialization (MCSE)
- RSA Certified system Engineer

b. Explain digital forensics in detail?

(4 Marks)

2. a) A manufacturer of IDS is based in Canada wishes to offer its product for sale to U.S. Govt. The marketing group has asked your advice on the requirements for selling information assurance products to the United States. As a lead security analyst for the firm, prepare a list of steps that the manufacturer should go through to prepare the product for a common criteria evaluation. What documents do you need to prepare in advance of an evaluation?   (7 Marks)

b) Open disclosure of software vulnerabilities is often associated to gray hat hackers? How do you justify this statement also explain the different types of hackers?   (7 Marks)

3.a) Everyone who uses IT is responsible for maintaining the security & Confidentiality of information resources. Certain individuals however have specific information responsibilities, who are they?

(7 Marks)

b) Explain the different confidentiality and Integrity models?   (7 Marks)

4. a) Why BCP is so important? Identify the types of disruptive events? Describe how to test a disaster recovery plan

(7 Marks)

b) What advice would you offer to the medical office manager about implementing a Wi-Fi access point on the network? What elements would a policy contain? Develop a high-level standard to address the considerations for implementing Wi-Fi under HIPAA security rule constraints?

(7 Marks)

5.a) Explain Information Technology Act 2000 and 2008? Explain the important acts in IT act 2008? What are the different types of computer crimes?   (8 Marks)