



Code No: 721CV

R15**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD****MBA II Semester Examinations, April/May-2019****PRINCIPLES OF INFORMATION 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) Discuss about the balancing of information security and access with a neat sketch? [5]
- b) Which law amended the Computer Fraud and Abuse Act of 1986, and what did it change? [5]
- c) Define and describe honeypots, honeynets, and padded cell systems? [5]
- d) What drawbacks to symmetric and asymmetric encryption are resolved by using a hybrid method like Diffie-Hellman? [5]
- e) What general attributes do organizations seek in candidates when hiring information security professionals across all positions? Prioritize the list and justify your ranking? [5]

PART - B**5 × 10 Marks = 50**

2. Explain in detail about the Bottom Up approach for implementing the information security. [10]
- OR**
3. Describe in detail about the security system development life cycle. [10]
4. Explain the role of culture as it applies to ethics in information security. [10]
- OR**
5. What is intellectual property (IP)? Is it afforded the same protection in every country of the world? What laws currently protect it in the United States and Europe? [10]
6. Identify and describe the categories and operating models of intrusion detection and prevention systems. [10]
- OR**
7. What is risk management? Why is the identification of risks, by listing assets and their vulnerabilities, so important to the risk management process? [10]
8. Explain the basic principles of cryptography. [10]
- OR**
9. Describe key physical security considerations, including fire control and surveillance systems. [10]
10. Describe the special requirements needed to ensure the privacy of personnel data. [10]
- OR**
11. What does CERT stand for? Is there more than one CERT? What is the purpose of a CERT? Explain. [10]

