

Code No: 721CV

R15
JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
MBA II Semester Examinations, December-2018
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) Define key terms and critical concepts of information security? [5]
- b) Discuss the components of issue specific security policy? [5]
- c) Define risk management, risk identification, and risk control? [5]
- d) Discuss the relationship between information security and physical security? [5]
- e) Describe where and how the information security function should be positioned within organizations? [5]

PART - B
5 × 10 Marks = 50

2. Enumerate the phases of the security systems development life cycle. [10]
- OR**
3. Describe how the information security performs four important functions for an organization. [10]
4. Explain the role of culture as it applies to ethics in information security. [10]
- OR**
5. Define management's role in the development, maintenance, and enforcement of information security policy, standards, practices, procedures and guidelines? [10]
6. Explain the fundamental aspects of documenting risk via the process of risk assessment. [10]
- OR**
7. Describe firewall technology and the various approaches to firewall implementation. [10]
8. Describe key physical security considerations, including fire control and surveillance systems. [10]
- OR**
9. Describe the operating principles of the most popular cryptographic tools. [10]
10. Illustrate how an organization's employment policies and practices can support the information security effort. [10]
- OR**
11. Describe the process of acquiring, analyzing, and maintaining potential evidentiary material. [10]