Code No: 721CV

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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]

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