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UNIVERSITY OF PETROLEUM AND ENERGY STUDIES

End Semester Examination, April 2018

Program: B.Tech(CSE+CSF)   Semester – VIII
Subject (Course): Information Security Governance   Max. Marks : 100
Course Code   : CSIB459   Duration   : 3 Hrs
No. of page/s: 02

Section-A (30 Marks)

Note: - Attempt All Questions.
In Section A:-Question 1 & 2 carries 7 Marks and Question 3 & 4 carries 8 Marks.
In Section B:-Each Question carries 15 Marks.
In Section C:- Question carries 25 Marks.

Q.1 What do you understand of the information criticality and its security to an organization?   (7)

Q.2 Identify the minimum hardware and software requirements for Wireshark   (7)

Q.3 Enumerate the technical aspects Qualitative versus Quantitative risk analysis   (8)

Q.4 Security awareness training does not have to be boring, what should be the security officer's
communication skills?   (8)

Section-B (45 Marks)

Q.5 What are the important security policies, utilization and review process? Why information
security policies are important?   (15)

Q.6.Identify the controls related to planning, risk assessment, program management, system and
service acquisition and security assessment and authorization.   (15)

Q.7 Explain COBIT-IT Governance Framework.   (15)

Section-C (25 Marks)

Q.8 a) what is Information Security Governance and what it is Not and How to Govern
Information Security : (15)

- Organizational Structure
- Roles and Responsibilities
- Strategic Planning
- Policy
- Compliance
- Risk Management
- Measuring and Reporting Performance

b) Write short notes (Any 2): (10)
1. Wireshark
2. C-Suite
3. Risk Mitigation

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Section-A (30 Marks)

Note: - Attempt All Questions.
In Section A:-Question 1 & 2 carries 7 Marks and Question 3 & 4 carries 8 Marks.
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In Section C:- Question carries 25 Marks.

Q.1 What are the seven competencies for effective security leadership?   (7)

Q.2 Identify the minimum hardware and software requirements for Wireshark.   (7)

Q.3 Enumerate the technical aspects Qualitative versus Quantitative risk analysis.   (8)

Q.4 What do you understand by the importance of system and information integrity controls? (8)

Section-B (45 Marks)

Q.5 What are the important security policies, utilization and review process? Why information security policies are important?   (15)

Q.6.Identify the controls related to planning, risk assessment, program management, system and service acquisition and security assessment and authorization.   (15)

Q.7 a) Identify the definition of Governance, Risk and Compliance.   (8)

   b) Identify the controls related with personal security.   (7)

Section-C (25 Marks)

Q.8 a) what is Information Security Governance and what it is Not and How to Govern
Information Security : (15)

- Organizational Structure
- Roles and Responsibilities
- Strategic Planning
- Policy
- Compliance
- Risk Management
- Measuring and Reporting Performance

b) Write short notes (Any 2): (10)
1. Security control convergence

2. Security Officer Mandate

3. Auditing process