

IT 409- IT Security and Policies

Assignment No. 2 SOLUTION

Due Date: 9th March, 2016 (Wednesday, 11:59 pm)

Total Marks: 10

Important Instructions:

1. *This is an individual work, so make sure it is your own: express yourself in your own words in a precise and concise manner*
 2. *Search the book or other resources to have a better understanding of the questions.*
 3. *Use 'Word Processor' to answer the questions.*
 4. *Submission must be through the submission folder set by your instructor on Blackboard, no email submissions will be accepted.*
 5. *Late submission or plagiarism will result in ZERO mark.*
 6. *This assignment worth 5 marks of the total course mark.*
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Question No. 1

As a common practice, employees, contractors, and outsourcers sign two basic agreements: confidentiality agreement and acceptable use agreement. What is a difference between both agreements, and what are the functions performed in each agreement. **[3 mark]**

Answer:

Confidentiality agreements are in place to protect from unauthorized disclosure of information and are generally a condition of work, regardless of access to information systems. Acceptable use agreements traditionally focus on the proper use of information systems and cover such topics as password management, Internet access, remote access, and handling standards

Confidentiality agreements perform several functions. First, they protect confidential, technical, or commercial information from disclosure to others. Second, they can prevent the forfeiture of valuable patent rights. Third, confidentiality agreements define exactly what information can and cannot be disclosed. Fourth, confidentiality agreements define how the information is to be handled and for what length of time. Last, they state what is to happen to the information when employment is terminated or, in the case of a third party, when a contract or project ends. In the acceptable use agreement, the functions performed are to teach the employee the importance of security, obtain commitment, and install organizational values.

Question No. 2

What is a risk assessment? How an organization acts to manage risks?
mark]

[2

Answer:

Risk assessment is to evaluate what could go wrong, the likelihood of such an event occurring, and the harm if it did. In information security, this objective is generally expressed as the process of (a) identifying the inherent risk based on relevant threats, threat sources, and related vulnerabilities; (b) determining the impact if the threat source was successful; and (c) calculating the likelihood of occurrence, taking into consideration the control environment in order to determine residual risk.

Organization manages risks by determining an acceptable level of risk (risk appetite and tolerance), calculating the current level of risk (risk assessment), accepting the level of risk (risk acceptance), or taking steps to reduce risk to the acceptable level (risk mitigation).

Question No. 3

Why labeling is important in the information classification. Give examples on the different labeling forms. **[2 mark]**

Answer:

Labeling make it easy to identify the data classification. It vehicles for communicating the assigned classification to information custodians and users.

Labels can take many forms: electronic, print, audio, and visual. In electronic form, the classification should be a part of the document name (for example, “Customer Transaction History–PROTECTED”). On written or printed documents, the classification label should be clearly marked on the outside of the document as well as in either the document header or footer.

Question No. 4

You have been tasked to create an inventory system contains a minimum of three hardware and three software assets for the computer lab at your college. List at least five characteristics that will be used to identify hardware assets, and another five characteristics to identify software assets.

[3 mark]

Answer:

Students will identify different hardware and software assets, some of the characteristics identified in Chapter 5, page 140, 141 of textbook.

Full marks can be awarded if they identify and justify their answer for three HW & three SW assets. Students answers will be vary based on their individual selection.