

**R1-88** Which of the following environments typically represents the **GREATEST** risk to organizational security?

- A. An enterprise data warehouse
- B. A load-balanced, web server cluster
- C. A centrally managed data switch
- D. A locally managed file server

**D is the correct answer.**

**Justification:**

- A. Enterprise data warehouses are generally subject to close scrutiny, good change control practices and monitoring.
- B. Load-balanced, web server clusters are generally subject to close scrutiny, good change control practices and monitoring.
- C. Centrally managed data switches are generally subject to close scrutiny, good change control practices and monitoring.
- D. **A locally managed file server will be the least likely to conform to organizational security policies because it is generally subject to less oversight and monitoring.**

**R1-89** Overall business risk for a particular threat can be expressed as the:

- A. magnitude of the impact should a threat source successfully exploit the vulnerability.
- B. likelihood of a given threat source exploiting a given vulnerability.
- C. product of the probability and magnitude of the impact if a threat exploits a vulnerability.
- D. collective judgment of the risk assessment team.

**C is the correct answer.**

**Justification:**

- A. The magnitude of the impact of a successful threat provides only one factor.
- B. The likelihood alone of the impact of a successful threat provides only one factor.
- C. **The product of the probability and magnitude of the impact provides the best measure of the risk to an asset.**
- D. The judgment of the risk assessment team defines the risk on an arbitrary basis and is not suitable for a scientific risk management process.

**R1-90** When developing risk scenarios for an enterprise, which of the following is the **BEST** approach?

- A. The top-down approach for capital-intensive enterprises
- B. The top-down approach because it achieves automatic buy-in
- C. The bottom-up approach for unionized enterprises
- D. The top-down and the bottom-up approach because they are complementary

**D is the correct answer.**

**Justification:**

- A. Both risk scenario development approaches should be considered simultaneously, regardless of the industry.
- B. Both risk scenario development approaches should be considered simultaneously, regardless of the risk appetite.
- C. Both risk scenario development approaches should be considered simultaneously, regardless of the industry.
- D. **The top-down and bottom-up risk scenario development approaches are complementary and should be used simultaneously. In a top-down approach, one starts from the overall business objectives and performs an analysis of the most relevant and probable risk scenarios impacting the business objectives. In a bottom-up approach, a list of generic risk scenarios is used to define a set of more concrete and customized scenarios, applied to the individual enterprise's situation.**