

國立中央大學97學年度碩士班考試入學試題卷

所別：資訊管理學系碩士班 甲、乙組 科目：管理資訊系統 共 2 頁 第 1 頁

*請在試卷答案卷(本)內作答

Instructions: (Before you start, read all the instructions carefully.)

- a. 答案必須沿著答案卷的橫格線由左到右橫式書寫。所有選擇題答案(大寫 ABCDE)和填充題答案必須寫在答案卷的第一頁，違者扣五分。
- b. 本試題共分四部分，分別是選擇題(20%)，填充題(20%)，簡答題(30%)和問答題(30%)。

Part I. Multiple-Choice Questions (20%, 選擇題@2%, Choose the BEST one that answers the question.)

1. The potentially most expensive "hidden" cost component of offshore software outsourcing is the cost of:
A. selecting a vendor. B. transferring work to the offshore outsourcer.
C. laying off domestic employees. D. adjusting to cultural differences.
E. none of the above.
2. The major variables in project management are:
A. scope, time, cost, and performance. B. scope, time, cost, quality, and risk.
C. time, cost, quality, performance, and risk. D. time, cost, scope, and performance.
E. none of the above.
3. What are the two main considerations in determining which business processes should be improved for an effective reengineering project?
A. Cost and risk. B. Strategic analysis and pain points.
C. Strategic analysis and workflow. D. Inputs and outputs.
E. none of the above.
4. What are the main dimensions used to measure business processes?
A. Cost, time, quality, and flexibility. B. Cost, time, quality, and organization.
C. Inputs, outputs, cost, and quality. D. Inputs, outputs, cost, and time.
E. none of the above.
5. Which phase of decision making finds or recognizes a problem, need, or opportunity?
A. Design. B. Intelligence.
C. Choice. D. Implementation.
E. none of the above.
6. An essential component in the ability of GDSS to contribute to a collaborative environment is:
A. allowing users to contribute simultaneously. B. using structured methods for evaluating ideas.
C. identifying users informally. D. guarantee of user anonymity.
E. none of the above.
7. Which of the following is a collaboration tool used to support knowledge management systems?
A. Blogs. B. Wikis.
C. Social bookmarking. D. All of the above.
E. none of the above.
8. Which of the following is NOT one of the unique features of e-commerce technology?
A. Information density. B. Information asymmetry.
C. Richness. D. Interactivity.
E. none of the above.
9. A third-party Net marketplace that connects many buyers and suppliers for spot purchasing is called a(n):
A. exchange. B. vertical market.
C. private exchange. D. e-hub.
E. none of the above.
10. Systems to manage the flow of products through distribution centers and warehouses to ensure that products are delivered to the right locations in the most efficient manner best describes supply chain _____ systems.
A. demand. B. delivery.
C. planning. D. execution.
E. none of the above.

參考用

注意：背面有試題

Part II. Fill In the Blanks (20%, 填充題@2%)

1. A systems analysis includes a(n) _____ that is used to determine whether the solution is achievable, from a financial, technical, and organizational standpoint.
2. A(n) _____ model determines the best resource allocation to maximize or minimize specified variables.
3. _____ is used to determine how much product a business needs to make to satisfy all of its customers' demands.
4. Small programs that install themselves on computers to monitor user Web surfing activity and serve up advertising are called _____.
5. A(n) _____ identifies all the controls that govern individual information systems and assesses their effectiveness.
6. A network of interconnected wireless devices, embedded into the physical environment to provide measurements of many points over large areas, is called a(n) _____.
7. _____ connect multiple storage devices on a separate high-speed network dedicated to storage.
8. _____ provides a standard format for data exchange, enabling Web services to pass data from one process to another.
9. The _____ model can be used to analyze the direct and indirect costs to help firms determine the actual cost of specific technology implementations.
10. _____ refers to the existence of laws that permit individuals to recover damages done to them by other actors, systems, or organizations.

Part III. Short-Answer Questions (30%, 簡答題@6%)

1. 何謂關聯式資料庫管理系統與物件導向資料庫？兩者有何差異？
2. 何謂加密與公開金鑰？
3. 何謂供應鍊管理與長鞭效應(bullwhip effect)？如何緩和長鞭效應的影響？
4. 試比較網格運算(grid computing)與邊際運算(edge computing)。
5. 何謂企業流程管理、全面品質管理與6個標準差？

參考用

Part IV. Essay Questions (30%, 問答題@15%)

1. 組織面臨激烈的經營環境時，常常需要應用資訊系統來節省成本或增進競爭力。就資訊系統應用而言，管理階級可以期待哪些效益？管理階級又面臨哪些挑戰？(15%)
2. 為了累積組織的知識能量，越來越多的組織高階主管重視知識管理。一般而言，組織的主要知識管理活動有哪些？組織常用的知識管理支援系統有那些？(15%)

注意：背面有試題