

# 國防大學管理學院 101 學年度碩士班入學考試試題

身分：全時進修軍費生/自費生

所別：資訊管理學系碩士班

科目：管理資訊系統

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## I. 選擇題 (每題四分)

- \_\_\_\_\_ is a formal approach to managing data consistently in an entire organization.  
(A) Data warehousing (B) Data governance (C) ER modeling  
(D) Ontology (E) Metadata management
- The main problem of the SDLC approach to systems development is the \_\_\_\_\_ nature of the process.  
(A) iterative (B) waterfall (C) stop-and-start  
(D) continuous (E) contingent
- Which of the following is NOT one of the methods you can use to prevent the information stored in your portable devices from unauthorized disclosure?  
(A) Keep your portable devices in an unapparent container.  
(B) Encrypt the hard drive of your laptop.  
(C) Have proactive intrusion detection and prevention software installed on your computer.  
(D) Use digital watermarks.  
(E) Use two-factor authentication.
- A description of activities and services that a system must provide is  
(A) functional requirement (B) non-functional requirement (C) prototype  
(D) physical requirement (E) none of these.
- OLAP is a tool for enabling:  
(A) Users to view both logical and physical views of data.  
(B) Programmers to normalize data.  
(C) Programmers to quickly diagram data relationships.  
(D) Users to obtain online answers to ad hoc questions in a rapid amount of time.
- Which of the following Internet business models does Amazon.com use?  
(A) Market creator (B) Portal  
(C) Content provider (D) E-tailer
- Which of the following would NOT be classified as a type of intelligent technique?  
(A) Genetic algorithms (B) Case based reasoning  
(C) Virtual reality (D) Neural networks

8. What is a value chain?
- (A) The series of business processes, each of which adds value to products or services for your customers
  - (B) A set of products and services that have proved valuable and profitable for your business
  - (C) The information or feedback from customers that is then used to improve the quality of your products or services
  - (D) The series of business partners and team members that are directly responsible for producing and processing a set of products or services for your customers
9. Which of the following is the most accurate definition of an extranet?
- (A) It allows remote users to securely connect over the Internet or via private networks to the enterprise's main intranet.
  - (B) It allows remote users to securely connect over the Internet to the enterprise's main intranet.
  - (C) It allows remote users to securely connect via private networks to the enterprise's main intranet.
  - (D) It allows remote users to securely connect via private networks to the Intranet.
10. Typically the data warehouse uses a \_\_\_\_\_ structure.
- (A) Relational
  - (B) nonvolatile
  - (C) client/server
  - (D) web-based
  - (E) network
11. The purpose of the \_\_\_\_\_ architecture is to maximize the use of computer resources. It provides a way for different computing devices to work together, each doing the job for which it is best suited.
- (A) Mainframe computing
  - (B) client/sender computing
  - (C) PC computing
  - (D) centralized computing
  - (E) network computing
12. Which of the following is NOT considered to be advantage of a data mart?
- (A) significantly shorter lead time for implementation
  - (B) centralized rather than local control
  - (C) rapid response time
  - (D) low cost
  - (E) targeted
13. Enterprise Resource Planning (ERP) system's major objective is to:
- (A) electronically link an organization with its suppliers.
  - (B) electronically link an organization with its customers.
  - (C) manage human resource requirements for production.
  - (D) handle inventory.
  - (E) Integrate all departments and functions within an organization.

14. Which of the following statements about supply chain flows is most accurate?
- (A) There are two major flows in the supply chain: people and money.
  - (B) There are two major flows in the supply chain: material and money.
  - (C) There are three major flows in the supply chain: material, information, and financial flows
  - (D) There are three major flows in the supply chain: material, information, and people flows.
15. Which of the following is NOT one of the major reasons that Business Process Redesign (BPR) fails?
- (A) large expenses
  - (B) inability to properly align BPR and IT
  - (C) organizational resistance
  - (D) lack of available technology
16. A description of activities and services that a system must provide is
- (A) functional requirement
  - (B) non-functional requirement
  - (C) prototype
  - (D) physical requirement
  - (E) none of these.

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II. 簡答題 (每題 10 分)

1. 請解釋下列網路威脅方式：特洛伊木馬程式、網路釣魚、網路監聽、阻絕服務攻擊。
2. 何謂系統開發生命週期(System Development Life Cycle, SDLC)?
3. 何謂雲端運算(cloud computing)?請說明採用雲端運算可能的優點與風險。
4. 新、舊資訊系統轉換時有哪些轉換方法(conversion)?各有何優、缺點?