

大葉大學 九十三 學年度 研究所碩士班 招生考試試題紙

系 所 別	組 別	考 試 科 目 (中文名稱)	考 試 日 期	節 次	備 註
資訊管理學系	甲	管理資訊系統	3月28日	第二節	第一頁 (共二頁)

註：考生可否攜帶計算機或其他資料作答，請在備註欄註明（如未註明，一律不准攜帶） 10:30 ~ 12:00

一. 選擇題 40% (單選, 答錯不倒扣, 每題 4 分)

- A \_\_\_\_\_ diagram displays the classes, their properties, and the associations of relationships among the classes.
  - Sequence
  - Collaboration
  - Data flow
  - Class
- All databases need to be backed up on a regular basis. How often depends on:
  - The importance and value of the data
  - The availability of the database administrator
  - The knowledge level of the end users
  - The physical setup of the hardware and software
- Which of the following statements does NOT apply to networks that cross international boundaries?
  - Because of the value of transborder data flows, some governments have suggested that they would like to impose a tariff or tax on that value.
  - In developing nations, the communications equipment may be antiquated.
  - Western European nations have much stricter laws concerning privacy than does the United States.
  - With the growth of the Internet, all countries have adopted a universal telecommunications standard.
- One of the problems with sharing documents in an organization is the concept of concurrency. Basically, this concept involves:
  - Allowing everyone access to the same fonts, displays, sound cards, and video drivers.
  - Allowing everyone access and network paths to the linked documents.
  - Allowing several people to modify the same document at the same time.
  - Allowing several people to use the same software application at the same time.
- DSS software used by decision makers to create and evaluate various models that can be used to solve business problems is classified as either:
  - Generic or preprogrammed
  - Spreadsheets or databases
  - Stand-alone or programmed
  - Generic or stand-alone
- Which of the following statements best describes expert systems?
  - Involves building systems that help novices achieve the results of experts.
  - Identifies patterns in sound, vision, and data.
  - Recognizes users by voice and converts spoken words into written text.
  - Understands the meaning in written (or spoken) text.

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7. Information technology is being used in engineering and design strategies to support:
  - (a) Analysis and modeling, project management, workgroup support, databases, and decision support
  - (b) CAD/CAM, testing, networks, and workgroup support
  - (c) Just-in-time linkages, forecast, models, links for design, and transaction
  - (d) Phone support systems, location monitoring and scheduling of service people, expert systems, diagnostics, and databases.
  
8. Which one of the following is an activity of the systems maintenance stage of the traditional systems development life cycle (SDLC)?
  - (a) Designing in detail the physical system of data processing media methods and procedures
  - (b) Developing a logical system design of data flows and data processing
  - (c) Developing system specifications that meet the system requirements of the systems analysis stage
  - (d) Monitoring, evaluating, and modifying an existing system.
  
9. In large firms, the individual responsible for searching for and advocating strategic uses of MIS is the:
  - (a) Database administrator
  - (b) Chief information officer
  - (c) Data administrator
  - (d) Systems analyst
  
10. Which one of the following is not a common symptom of a computer virus?
  - (a) Loss of productivity
  - (b) Message and lockup
  - (c) Increased speed of machine
  - (d) Corrupted files and lost data

二. 問答題 60% (每題 10 分)

1. What is the difference between business models and Internet business models?
2. What is the difference between systems analysis and system design? What steps are required to make them effective?
3. Describe Porter's value chain model and its view regarding competition.
4. (i) Define supply chain management (SCM) and enterprise resource planning (ERP). (ii) Distinguish between SCM and ERP software.
5. (i) What is a strategic information system (SIS)? (ii) List the major benefits of SISs.
6. Describe the major challenges to implementing knowledge management systems in practice.