國立中正大學 103 學年度碩士班招生考試試題系所別:會計與資訊科技學系-資訊組 科目:管理資訊系統

第 2 節

第一頁,共与頁

一、選擇題(50分,每題2分)

- 1. The shared information technology resources for the organization are called its:
 - a. MIS plan.
 - b. network.
 - c. operational network.
 - d. IT infrastructure.
 - e. business infrastructure.
- 2. Office systems are:
 - a. strategic-level systems.
 - b. management-level systems.
 - c. operational-level systems.
 - d. knowledge-level systems.
 - e. transaction-level systems.
- 3. Labor relations and training are functions of:
 - a. finance/accounting systems.
 - b. human resources systems.
 - c. manufacturing/production systems.
 - d. sales marketing systems.
 - e. decision support systems.
- 4. Managers as planners, organizers, coordinators, decision makers, and controllers describe the principles of the:
 - a. classical model of management.
 - b. interpersonal model of management.
 - c. transactional model of management.
 - d. virtual organization.
 - e. Mintzberg model of management.
- 5. The virtual storefront Internet business model:
 - a. generates revenue from advertising or from directing buyers to sellers.
 - b. saves users money and time by processing online sales dealings.
 - c. provides a digital environment where buyers and sellers can establish prices for products.
 - d. creates revenue by providing digital content over the Web.
 - e. sells physical products directly to consumers or individual businesses.
- 6. Thanks to the Web, have become powerful business tools for testing and improving products and services.
 - a. customers
 - b. sales personnel
 - c. pop-up advertisements
 - d. collaborative competitors
 - e. virtual communities

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第2頁,共写頁

- Advances in data analysis techniques for large pools of data make it easy for companies to:
 - a. protect themselves from data theft.
 - b. create congressional interest in evolving laws to protect them.
 - c. create more secure data banks.
 - d. use information systems for their core production processes.
 - e. derive detailed personal information about individuals.

8 Machine language:

- a. is the language the computer executes.
- b. is a set of programs written for specific functions performed by end-users.
- c. is special system software that translates a high-level language into machine language for execution by the computer.
- d. is written in a high-level language that must be translated into machine language to be executed by the computer.
- e. is a set of generalized programs that manage the computers resources.

9. UNIX:

- a. is an earlier version of the Windows operating system for home users.
- b. can be modified by software developers.
- c. has its own graphical user interface and desktop and server versions.
- d. is a 16-bit operating system.
- e. supports multitasking, multiuser processing and networking.

10. The logical view:

- a. shows how data are organized and structured on the storage media.
- b. presents an entry screen to the user.
- c. allows the creation of supplementary reports.
- d. presents data as they would be perceived by end users.
- e. provides only one view of the data.

11. The join operation:

- a. combines relational tables to provide the user with more information than is otherwise available.
- b. creates a subset consisting of columns in a table.
- c. organizes elements into segments.
- d. identifies the table from which the columns will be selected.
- e. creates a subset consisting of all records in the file that meets stated criteria.

12. A multiplexer is a:

- a. specialized computer that supervises communications traffic between the CPU and the peripheral devices in the telecommunications system.
- b. device that carries the telecommunication message in analog form for packet distribution.
- c. device that enables a single communications channel to carry data transmissions from multiple sources simultaneously.
- d. special purpose computer dedicated to managing communications for the host computer in the network.
- telecommunications computer that collects and temporarily stores messages from terminals for batch transmission to the host computer.

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第2節

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- a. the network interface.
- b. the IP.
- c. the application.
- d. the physical net.
- e. the TCP.
- 14. A(n) TV Internet receiver:
 - a. provides Web surfing and e-mail capabilities using a television set, receiver, and a wireless keyboard.
 - b. has a small screen and keyboard for browsing the Web and exchanging e-mail in addition to providing voice communication.
 - c. is a network computer with minimal local storage and processing capability.
 - d. is a wireless handheld personal digital assistant with e-mail and Internet service.
 - e. is a general purpose computing platform that can perform many tasks, but is often unreliable or complex
- 15. Those who primarily process and disseminate information are called:
 - a. group collaborators.
 - b. knowledge workers.
 - c. information workers.
 - d. librarians.
 - e. data workers.
- 16. GDSS are most useful for tasks involving:
 - a. session planning, organizational memory, personal productivity, and enterprise analysis.
 - b. idea generation, complex problems, and large groups.
 - c. idea generation, idea organization, prioritizing, and policy development.
 - d. session planning, prioritizing, policy development, and organizational memory.
 - e. idea generation, personal productivity, enterprise analysis, and policy development.
- 17. Executives need a wide range of _ _____ as well as internal data. a. executive support systems
 - b. training in using ESS

 - c. system functionality
 - d. enterprise systems
 - e. external
- 18. The introduction of the new information system includes changes in:
 - a. the design process.
 - b. difficulties in implementation.
 - c. the acquisition cycle.
 - d. the organization.
 - e. anticipated future demands.
- 19. Organizations can potentially obtain very large payoffs from their investments in information technology if
 - a. rethink and radically redesign their business processes before applying computing power.
 - b. seek paradigm shifts.
 - c. use systems analysis techniques.
 - d. pursue reengineering strategies to transform how the organization carries out its business.
 - e. replace a sequential approach with a "work cell" or team approach.

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第2節

第4頁,共5頁

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- a. (Total benefits Total cost Depreciation)/Useful life
- b. Present value of cash inflows/Investment
- c. Payment * (1 -(1 + interest)⁻ⁿ)/Interest
- d. Net benefit/Total initial investment
- e. Original investment/Annual net cash inflow = Number of years for repayment
- The introduction or alteration of an information system:
 - a. creates new opportunities for management.
 - b. primarily benefits customers.
 - c. disrupts the IT function.
 - d. is never acceptable to the rank-and-file.
 - e. has a powerful behavioral and organizational impact.
- 22 Data security controls:
 - a. are unique to each computer program.
 - b. ensure that data files on either disk or tape are not subject to unauthorized access, change, or destruction.
 - c. establish a framework for controlling the design, security, and use of computer programs throughout the organization.
 - d. audit the systems development process.
 - e. are formalized standards, rules, procedures, and disciplines that ensure that the organization's controls are properly executed and enforced.
- 23 Online transaction processing requires:
 - a. more processing time.
 - b. a large server network.
 - c. fault-tolerant computer systems.
 - d. a dedicated phone line.
 - e. high-availability computing.
- 24 In terms of global business strategy and structure, a domestic exporter will use a policy of:
 - a. mixed sales and marketing, with centralized production, accounting, human resources, and strategic management.
 - b. coordinated production, accounting, marketing, human resources, with strategic management.
 - c. coordinated production, accounting, human resources, with centralized strategic management, and marketing.
 - d. dispersed production and marketing, with centralized accounting, human resources and strategic management.
 - e. coordinated production, marketing, human resources, and strategic management, with dispersed production.

25	Transnational companies have tended to use a	systems configuration, but seem
	now to be switching to systems.	3/300113 Configuration, but Seem

- a. duplicated, decentralized
- b. centralized, decentralized
- c. networked, networked
- d. decentralized, networked
- e. decentralized, networked

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第5頁,共5頁

二、問答題(50分,每題5分)

- Define and discuss the information value chain.
- Without digital technology, collaborative commerce would not be possible. Do you agree with this statement?
- List and describe at least five different Internet business models. Which of these models do you think is the
 most risky for a dot-com business? Support your answer.
- Describe how a cookie works.
- 5. Distinguish between and describe the uses of and advantages/disadvantages in HTML, XML, and XHTML.
- 6. In the telecommunications world, what is meant by centralization and decentralization? What types of companies do you think are likely to subscribe to each philosophy? Give a real-world example of each.
- 7. What are at least six factors to consider in establishing the business requirements of an enterprise information portal? Which do you think should be addressed first? Why?
- 8. Provide an explanation of the five layers of the TCP/IP reference model.
- 9. Of what does systems analysis consist? What does the systems analyst do to achieve these goals?
- 10. How are encryption, authentication, digital signatures, and digital certificates each used to ensure security in electronic commerce?