

# 國立虎尾科技大學九十六學年度研究所（碩士班）入學試題

所別：資訊管理系

科目：考試科目 2（管理資訊系統）

## 注意事項：

- (1) 本試題共有選擇題四十題，每題二分，共八十分；問答題四題，每題五分，共二十分，合計一百分。
- (2) 請依序作答在答案卷上並註明題號。

## 一. Multiple Choice 80%（單選題、每題兩分共計八十分）

1. When data are tied to a physical location, a(n) \_\_\_\_\_ is used.
  - a. geographic information system
  - b. executive information system
  - c. local information system
  - d. regional system
  - e. None of the above
2. Mintzberg's study of managerial roles does not include the following:
  - a. Figurehead.
  - b. Champion
  - c. Leader
  - d. Monitor
  - e. None of the above
3. Which of the following is not a reason to develop a Decision Support System?
  - a. Improve data warehouse access
  - b. Process more operational transactions
  - c. Provide a competitive edge
  - d. Improve communication
4. A system that facilitates the process of data mining is called a(n) \_\_\_\_\_.
  - a. data warehouse
  - b. process
  - c. data enterprise
  - d. database
  - e. None of the above

5. Which of the following are designed to improve an individual's cognitive abilities?
- a. Knowledge management systems
  - b. Group support systems
  - c. Enterprise information systems
  - d. Both a and c
  - e. None of the above
6. To electronically transfer cash from one account in one bank to an account in another bank is called \_\_\_\_\_.
- a. cash management system
  - b. investment analysis
  - c. electronic financial transaction
  - d. electronic funds transfer
  - e. None of the above
7. \_\_\_\_\_ helps analyze how a new product is doing in its first several months on the market.
- a. Manufacturing execution system
  - b. Just-in-time
  - c. Bill of materials
  - d. Market research
  - e. None of the above
8. Which function is concerned with tracking the transactions of a firm?
- a. Marketing
  - b. Accounting
  - c. Finance
  - d. Purchasing
  - e. None of the above
9. Supply chain applications in a firm are supported by \_\_\_\_\_ systems.
- a. ERP
  - b. MRP
  - c. CRP
  - d. SDLC
  - e. None of the above

10. Which of the following is considered a Management Support System Technology?
- a. Data mining
  - b. Data warehousing
  - c. Business intelligence
  - d. Artificial neural networks
  - e. None of the above
11. Which technology supports unstructured problems?
- a. GSS
  - b. KMS
  - c. Neural networks
  - d. Both a and c
  - e. None of the above
12. Which of the following is not a phase of the Simon decision-making process?
- a. Intelligence
  - b. Planning
  - c. Design
  - d. Choice
  - e. None of the above
13. A form of client/server computing in which the server computer stores all of the data and programs utilizes a(n) \_\_\_\_ .
- a. thin client
  - b. heavy server
  - c. light client
  - d. thin server
  - e. None of the above
14. Neural networks are primarily used for :
- a. structured decisions.
  - b. semi-structured decisions.
  - c. unstructured decisions.
  - d. structured decisions – but only with a strategic planning focus.
  - e. None of the above

15. Management science is also known as:
- operations research.
  - operations support.
  - management information systems.
  - management advisory systems.
  - None of the above
16. A language is \_\_\_\_ if its source code can run on different computers using different operating systems.
- multithreaded
  - robust
  - portable
  - reliable
  - None of the above
17. A closed system is basically:
- independent of its inputs.
  - dependent on its environments.
  - independent of its environment.
  - interacting with its environment in a closed fashion.
  - None of the above
18. The flow of information in a system to the decision-maker is referred to as:
- process.
  - feedback.
  - unified data flow
  - system environment
  - None of the above
19. In a information system, effectiveness measures:
- the productivity level.
  - the degree of utilizing resources.
  - the efficiency of a system.
  - the level of goal attainment
  - None of the above

20. One of the most interesting developments in worldwide telecommunications is \_\_\_\_\_ file sharing through the Internet: anyone with access to the Internet can download one of several free applications that help locate and download files from any online computer.
- B2B
  - P2P
  - B2C
  - C2C
  - None of the above
21. An IP number is a(n) \_\_\_\_\_ numeric address.
- 8-bit
  - 16-bit
  - 32-bit
  - 64-bit
  - None of the above
22. What-if analysis means:
- What will happen to the input data if the output data is changed?
  - What will happen to the output if the input is changed?
  - What will happen to the process if the input is changed?
  - What will happen to the environment if the process is changed?
  - None of the above
23. \_\_\_\_\_ applications use data stored in data warehouses to derive a variety of ratios and degrees of predetermined relationships.
- OLAP
  - ER
  - DBMS
  - DML
  - None of the above
24. Which of the following is not a major function of the Model Base Management System?
- Create models easily and quickly.
  - Update data records.
  - Track model data.
  - Allow users to manipulate models.
  - None of the above

25. The combined storage of both data and the procedures that manipulate them is referred to as \_\_\_\_.
- a. encapsulation
  - b. inheritance
  - c. redundancy
  - d. integrity
  - e. None of the above
26. To overcome the problem that “data are not measured or indexed properly” one should:
- a. modify the systems for generating the data.
  - b. develop a systematic way to insure the accuracy of raw data.
  - c. develop a system for rescaling (or recombining) data.
  - d. store data for future use even if not needed now.
  - e. None of the above
27. The \_\_\_\_ is the officer responsible for the databases and data warehouses of an organization.
- a. CEO
  - b. CTO
  - c. DBA
  - d. DBM
  - e. None of the above
28. Because of the growing threat to information security, a new position has emerged in many organizations called the \_\_\_\_.
- a. CTO
  - b. CSO
  - c. CIO
  - d. CEO
  - e. None of the above
29. Which of the following is not a type of database management system?
- a. Object-oriented
  - b. Network
  - c. Semantic
  - d. Multimedia
  - e. None of the above

30. \_\_\_\_ is a field of research and application involving computer programs that mimic the human mind and behavior.
- Artificial intelligence
  - Artificial vision
  - Robotics
  - Biotechnology
  - None of the above
31. \_\_\_\_ is the degree to which an organization can use the same hardware or software for different business functions, in different physical and logical environments, over time.
- Flexibility
  - Compatibility
  - Connectivity
  - Scalability
  - None of the above
32. Place the steps in the standard GSS process in the right order:
- idea generation, idea organization, prioritization, idea generation.
  - idea generation, idea organization, prioritization, idea organization.
  - prioritization, idea generation, idea organization, idea generation.
  - prioritization, idea organization, idea generation, idea organization.
  - idea organization, idea organization, prioritization, idea organization.
33. In a \_\_\_\_ conversion the old system is discarded and the new one takes over the entire business operation for which it was developed.
- parallel
  - phased
  - cut over
  - pilot
  - None of the above
34. One reason for MRP failure is:
- the realization that there is an independence among schedule/inventory/purchasing .
  - the realization that financial and labor resources are closely related.
  - the realization that schedule/inventory/purchasing operations are closely related to both financial and labor resources.

- d. the realization that schedule/inventory/purchasing operations are closely related to financial resources.
  - e. None of the above
35. \_\_\_\_\_ use graphical symbols to illustrate a system's logical operations as well as the physical parts involved.
- a. Flowcharts
  - b. Schemas
  - c. PERT charts
  - d. Gantt charts
  - e. None of the above
36. Which of the following capabilities differentiates EIS from DSS?
- a. EIS raises questions that DSS attempts to answer.
  - b. DSS raises questions that EIS attempts to report.
  - c. EIS makes interpretations based upon DSS results.
  - d. They are not integrated
  - e. None of the above
37. \_\_\_\_\_ systems provide an alternative power supply for a short time, as soon as a power network fails.
- a. SSL
  - b. UPS
  - c. SSO
  - d. DMZ
  - e. None of the above
38. Best practices may be in the form of:
- a. tacit knowledge.
  - b. explicit knowledge.
  - c. internal knowledge
  - d. external knowledge.
  - e. None of the above
39. A(n) \_\_\_\_\_ is an encrypted digest of the text that is sent along with a message, usually a text message, but possibly one that contains other types of information, such as pictures.



- a. digest signature
- b. digital certificate
- c. digital signature
- d. digest manifest
- e. None of the above

40. Explicit knowledge is:

- a. easy to explain.
- b. easy to apply.
- c. easy to document.
- d. easy to explain, document and apply.
- e. None of the above

**Essay 20% (簡答題四題、每題五分，合計二十分)**

1. List several advantages of object-oriented programming (OOP) over procedural languages. (5%)
2. List the options that businesses have when establishing a Web site. (5%)
3. Describe the knowledge management system cycle steps. (5%)
4. Please describe four subsystems (components) composed in a DSS application briefly. (5%)