

Republic of the Philippines
SULTAN KUDARAT STATE UNIVERSITY
Isulan Campus

MIDTERM EXAMINATION
IS111 FUNDAMENTALS OF INFORMATION SYSTEMS
October 16 – 18, 2024

Test I. Identification. Write the correct answer to complete the statement. (2pts each)

1. What do we call in a set of interrelated elements or components that collect (input), manipulate (process), store and disseminate (output) data and information, and provide a corrective reason (feedback mechanism) to meet an objective.
2. It is refers to a set of elements or components that interact to accomplish goals.
3. In information systems, this term means converting or transforming data into useful outputs.
4. What do we call in the series (chain) of activities that includes inbound logistics, warehouse and storage, production, finished product storage, outbound logistics, marketing and sales, and customer service
5. It refers to any machinery (most of which uses digital circuits) or physical components that assists in the input, processing, storage, and output activities of an information system.
6. It is consists of computer programs that control the workings of computer hardware.
7. It is a single set of hardware, software, databases, telecommunications, people, and procedures that are configured to collect, manipulate, store, and process data into information.
8. It refers to an organized collection of facts and information, typically consisting of two or more related data files.
9. It is a formal collection of people and other resources established to accomplish a set of goals.
10. It is a set of major understandings and assumptions shared by a group, such as within an ethnic group or a country.

Test II. Multiple Choice. For each question, select the option that you believe is the most correct. (2pts each)

11. Which of the following is the brain of the computer?
 - a) Central Processing Unit
 - b) Memory
 - c) Arithmetic and Logic unit
 - d) Control unit
12. Which of the following unit is responsible for converting the data received from the user into a computer understandable format?
 - a) Output Unit
 - b) Input Unit
 - c) Memory Unit
 - d) Arithmetic & Logic Unit
13. Which of the following is designed to control the operations of a computer?
 - a) User
 - b) Application Software
 - c) System Software
 - d) Utility Software
14. Which of the following are physical devices of a computer?
 - a) Hardware
 - b) Software
 - c) System Software
 - d) Package
15. Which of the following types of organization structure where like a managerial pyramid where the heirarchy of decision making and authority flows from the strategic management at the top down to operational management and non-management employees.
 - a) Project organizational structure
 - b) Virtual organizational structure
 - c) Traditional organizational structure
 - d) Team organizational structure
16. Which of the following types of organization structure employs individuals, groups, or complete business units in geographically dispersed areas that can last for a few weeks or years, often requiring telecommunications or the Internet.
 - a) Project organizational structure
 - b) Virtual organizational structure
 - c) Traditional organizational structure
 - d) Team organizational structure
17. Which of the following types of organization structure centered on major products or services.
 - a) Project organizational structure
 - b) Virtual organizational structure
 - c) Traditional organizational structure
 - d) Team organizational structure
18. The following are the output devices, except:
 - a) E-books
 - b) Plasma Display
 - c) Plotters
 - d) Magnetic stripe card
19. What type of memory in which instructions or data can be temporarily stored?
 - a) Read-only memory (ROM)
 - b) Storage Capacity
 - c) Random access memory (RAM)
 - d) Clock Speed
20. What type of memory that is nonvolatile, meaning that its contents are not lost if the power is turned off or interrupted?
 - a) Read-only memory (ROM)
 - b) Storage Capacity
 - c) Random access memory (RAM)
 - d) Clock Speed

21. The following are the example of operating systems, except:
 - a) Windows Vista
 - b) Linux
 - c) McAfee
 - d) Windows XP
22. What do we call on the database type where program whose records have no relationship to one another?
 - a) Single User
 - b) Flat File
 - c) Multiple Users
 - d) Data Mart
23. What do we call on the database type which allow dozens or hundreds of people to access the same database system at the same time?
 - a) Single User
 - b) Flat File
 - c) Multiple Users
 - d) Data Mart
24. What do we call on a subset of a data warehouse?
 - a) Single User
 - b) Flat File
 - c) Multiple Users
 - d) Data Mart
25. Which of the following refers to organized collection of data?
 - a) Database
 - b) Data Modeling
 - c) Datawarehouse
 - d) Data Mart

Test III. True or False. If you believe the statement is correct, mark True. If you believe the statement is incorrect, mark False. (2pts each)

26. Computers are only part of an information system.
27. In order to understand how a specific business firm uses information systems, you need to know something about the hierarchy and culture of the company.
28. A fully digital firm produces only digital goods or services.
29. Data marts are data collections that address the needs of particular department or functional area of a business.
30. Malware protection is an example of an application software for technical safeguard.
31. Data marts are usually larger than data warehouse.
32. Users should never be involved in testing. They will get in the way and may break the new system.
33. An organization can choose to either minimize cost or maximize differentiation to gain a competitive advantage.
34. One of the major challenges in systems development is changing technology.
35. Competitive strategy determines an organization's value chain.
36. Data consists of raw facts, such as an employee number, total hours worked in a week, inventory part numbers, or sales orders.
37. The process of defining relationships among data to create useful information doesn't require knowledge.
38. Information is raw facts that describe a particular phenomenon.
39. Hardware consists of the instructions executed by the computer to complete a specific task.
40. Software such as Microsoft Word, Excel, PowerPoint, or Access are all considered examples of utility software.

Test IV. Essay. Discuss the following and make sure to understand what is being asked.

41. What roles do people play in information systems? (5pts)
42. What is the difference between data, information, and knowledge? (5pts)

.....Good Luck and God Bless.....

Prepared by:

ROMA AMOR C. PRADES, MIS
Instructor

Noted:

ALEXIS D. APRESTO, PhD
Program Chairman, BSIS

BENEDICT A. RABUT, DIT
Dean, College of Computer Studies