

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

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.....

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