

System Design Test

Directions: Answer 10 of the 13 questions.

Components of a Computer System

1.2.1 Define the terms: hardware, software, peripheral, network, human resources

1. Define the terms: hardware, software, peripheral, network, human resources.
2. Describe a social or ethical issue that has arisen because of the networking of computers.

System Design and Analysis

1.2.5 Describe methods of obtaining requirements from stakeholders

3. Describe two methods used to obtain information from stakeholders.

1.2.7 Construct suitable representations to illustrate system requirements

4. List three methods used to illustrate system requirements.

5. Construct a system flow chart that represents the ice machine system in a refrigerator.

6. List 5 inputs and 5 outputs in a computer system.

7. Construct a structure chart for a computer program that manages the purchase of fireworks at a fireworks stand.

1.2.8 Describe the purpose of prototypes to demonstrate the proposed system to the client.

8. Describe the purpose of prototypes to demonstrate the proposed system to the client.

1.2.9 Discuss the importance of iteration during the design process.

9. List the six stages in the SDLC.

10. Why is the iterative approach to the SDLC better than a linear approach?

1.2.10 Explain the possible consequences of failing to involve the end-user in the design process

11. Explain the possible consequences of failing to involve the end-user in the design process.

1.2.14 Identify methods that can be used to improve the accessibility of systems

12. Identify methods that can be used to improve the accessibility of systems.

1.2.16 Discuss the moral, ethical, social, economic and environmental implications of the interaction between humans and machines.

13. Discuss the (**choose one**: moral, ethical, social, economic, or environmental) implications of the interaction between humans and machines.