

IST 4730 System Development

Quiz #3: Name _____ KEY _____

Identify the choice that best completes the statement or answers the question.

1. Graphically representing the processes that capture, manipulate, store, and distribute data between a system and its environment and among components within a system refers to:

- A) data modeling.
- B) structure modeling.
- C) process modeling.
- D) transition modeling.
- E) logic modeling.

2. The calculation of an employee's salary would be represented on a data-flow diagram as a(n):

- A) data flow.
- B) source.
- C) data store.
- D) process.
- E) action stub.

3. Which of the following is true regarding the context diagram?

- A) The process symbol is labeled "0."
- B) The context diagram contains two processes.
- C) Data stores must be shown on the context diagram.
- D) The internal workings of the system are shown on the context diagram.
- E) The context diagram organizes the processes in a tree-like structure.

4. A black hole is a process that:

- A) has only inputs.
- B) has only outputs.
- C) has not been exploded to show enough detail.
- D) has insufficient inputs to produce the associated processes.
- E) generates output directly to a sink.

5. Human interface design is performed during:

- A) systems planning and selection.
- B) systems analysis.
- C) systems design.
- D) systems implementation and operation.
- E) requirements structuring.

6. Which of the following is the standard method of gathering and displaying information on the Internet?

- A) Dialogue interaction
- B) Form interaction**
- C) Report interaction
- D) Menu selection
- E) VRML interaction

7. When designing a form or report, which of the following is a fundamental question?

- A) Who will pay for the form or report?
- B) What reports will be removed?
- C) When is the form or report needed and used?**
- D) Where will the report be housed?
- E) How will the report be marketed?

8. Which of the following determines how the system performs on the range of possible environments in which it may be used?

- A) Performance testing**
- B) Recovery testing
- C) Stress testing
- D) Range testing
- E) Security testing

9. All of the following are types of user documentation EXCEPT:

- A) release description.
- B) reference guide.
- C) acceptance sign-off.
- D) entity-relationship diagrams.**
- E) user's guide.

10. Changes made to a system to repair flaws in its design, coding, or implementation describes:

- A) corrective maintenance.**
- B) adaptive maintenance.
- C) preventive maintenance.
- D) perfective maintenance.
- E) programmatic maintenance.