Class #2 Pretest/Posttest Questions

Multiple Choice Section: (1 point each)

1. ____ The process of obtaining a complete written statement of the software’s required appearance (GUI), behaviors, functionality and performance.
   a. Requirement analysis
   b. Rapid application development (RAD)
   c. Validation
   d. Verification
   e. Prototype

2. ____ The process of creating workable computer systems in a very short period of time.
   a. Requirement analysis
   b. Rapid application development (RAD)
   c. Validation
   d. Verification
   e. Prototype

3. ____ Process of ensuring a software application performs according to functional requirements.
   a. Requirement analysis
   b. Rapid application development (RAD)
   c. Validation
   d. Verification
   e. Prototype

4. ____ Process of ensuring a software application is being built according to the plan.
   a. Requirement analysis
   b. Rapid application development (RAD)
   c. Validation
   d. Verification
   e. Prototype

5. ____ A preliminary application or mockup that demonstrates features of the software project under construction often used in requirement analysis to facilitate the design process.
   a. Requirement analysis
   b. Rapid application development (RAD)
   c. Validation
   d. Verification
   e. Prototype
6. ____ Rectangle shaped symbol use in flowcharts indicating an operation performed by the computer program such as calculation and assignment of values.
   a. Processing
   b. Decision
   c. Data Input or Output
   d. Connector
   e. Predefinded Process

7. ____ Diamond shaped symbol use in flowcharts indicating a decision structure. Diamond symbols always have two (2) flowlines out. One flowline is labeled the “yes” or “true” branch and the other is labeled the “no” or “false” branch.
   a. Processing
   b. Decision
   c. Data Input or Output
   d. Connector
   e. Predefinded Process

8. ____ Parallelogram shaped symbol use in flowcharts indicating the input data and results (output) to be displayed.
   a. Processing
   b. Decision
   c. Data Input or Output
   d. Connector
   e. Predefinded Process

9. ____ Circle shaped symbol use in flowcharts indicating where flowlines are connected. They are used in pairs showing flowline in and flowline out.
   a. Processing
   b. Decision
   c. Data Input or Output
   d. Connector
   e. Predefinded Process

10. ____ A rectangle shaped symbol with vertical lines next to each side used in flowcharts indicating a group of previously defined statements.
    a. Processing
    b. Decision
    c. Data Input or Output
    d. Connector
    e. Predefinded Process
Matching Section (1 point each)

Used the following terms to match their definitions listed below.

a. Event-driven programming
b. Flowcharts
c. Flowline
d. Joint application development (JAD)
e. Paradigm
f. Procedure
g. Process
h. Problem solving
i. Pseudocode
j. Variable

11. ____ A way of thinking such as using the object-oriented paradigm used in Visual Basic.

12. ____ A unit or block of code detailing instructions to be taken to accomplish a task.

13. ____ The order in which the development activities or “software process” is performed.

14. ____ The process of using a set of inputs, acting on the inputs by doing some calculation with them and producing a result.

15. ____ English like phrases used to represent the required steps to be taken in program code referred to as an algorithm.

16. ____ A memory location that is referred to by name that can be changed during the application’s execution.

17. ____ Process used to accelerate the requirement analysis by having end users and software engineers working together in intensive interactive design sessions.

18. ____ Specific shaped diagrams representing different processes used by the software to show flow of the program through the application.

19. ____ Connect the flowchart symbols and show the process flow during the execution of the program.

20. ____ Key concept used by Visual Basic whereby the application is designed to respond to actions taken by the user.

True/False Section: (1 point each)
21. _____ Data flow diagram are diagram illustrating inputs, outputs and internal processes as data flows through the application.
   a. True
   b. False

22. _____ Abstraction is process of revealing internal details of an object from the user
   a. True
   b. False

23. _____ Characteristics describing an object referred to as properties in Visual Basic are called the object’s attributes.
   a. True
   b. False

24. _____ Debug build contains debugging information and creates an executable file that can run on any system that contains Microsoft Windows and the support files for the application.
   a. True
   b. False

25. _____ Release build is optimized to run efficiently and doesn’t contain the debugging information in the creation of the executable file.
   a. True
   b. False