

MCQS on Design Process

1. A Software design is an
 - a) Linear process
 - b) Iterative process
 - c) Incremental process
 - d) None of the above
2. Initially, the design is represented at a high level of abstraction.
 - a) True
 - b) False
3. The design should provide a complete picture of the software from an implementation perspective by addressing.
 - a) data domain
 - b) functional domain
 - c) behavioural domain
 - d) all of the above
4. A design should lead to
 - a) Interface
 - b) Components
 - c) Data structure
 - d) All of the above
5. The attributes of design given in the acronym 'FURPS' are
 - a) Functionality, Usability, Reliability, Performance, Supportability
 - b) Functionality, Usability, Reliability, Preference, Supportability
 - c) Functionality, Usage, Reliability, Performance, Supportability
 - d) Functionality, Usability, Rigid, Performance, Supportability
6. Throughput is considered for measuring
 - a) Reliability
 - b) Usability
 - c) Performance
 - d) Functionality
7. Reliability is evaluated by measuring
 - a) Frequency and security of failure
 - b) The mean-time-to-failure(MTTF)
 - c) Recovery from failure and the program predictability
 - d) All of the above
8. Which of the following is assessed by evaluating the feature set and capabilities of the program, functionality delivered and security of overall system.
 - a) Usability
 - b) Functionality
 - b) Reliability

c) Performance

9. A design should be modular, that is the software must be logically partitioned into elements.

- a) true
- b) false

10. Testability, compatibility and configurability are the terms used in

- a) Usability
- b) Functionality
- c) Reliability
- d) Supportability

Key:

1.b 2.a 3.d 4.d 5.a 6.c 7.d 8.b 9.a 10.d