

MCQS on Design concepts

1. At Highest level of abstraction solution is stated in broad terms.
 - a) True
 - b) False
2. Properties that are to be considered as part of architectural design.
 - a) Structural properties
 - b) Extra-functional properties
 - c) Families of related systems
 - d) All of the above
3. A template that is used to solve a problem in many different situations is called
 - a) Architecture
 - b) Pattern
 - b) Modularity
 - d) Abstraction
4. Which of the following makes understanding of design modules easier.
 - a) Aspects
 - b) Pattern
 - c) Modularity
 - d) Abstraction
5. The functional independence is assessed using
 - a) Cohesion
 - b) Coupling
 - c) Both a and b
 - d) None of the above
6. A good design should always strive to achieve
 - a) high cohesion, high coupling
 - b) high cohesion, low coupling
 - c) low cohesion, high coupling
 - d) low cohesion, low coupling
7. Which of the following two design concepts are complementary with each other.
 - a) abstraction, Aspects
 - b) abstraction, information hiding
 - c) abstraction, functional independence
 - d) abstraction, refinement
8. which of the following design concept gives us overall structure of the software.
 - a) Architecture
 - b) Pattern
 - b) Modularity
 - d) Abstraction

9. Which of the following design concept simplifies the design of components without changing its function behaviour.

- a) Architecture
- b) Refactoring
- b) Modularity
- d) Abstraction

10. Independent modules are easy to maintain

- a) as they have less modifications
- b) less error propagations
- c) reusable
- d) All of the above

Key:

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