


















# Required Quiz 4.1: Week 4 Quiz

- Due Apr 6 at 11:59pm
- Points 20
- Questions 20
- Available Mar 24 at 12am - Apr 6 at 11:59pm
- Time Limit 30 Minutes

## Instructions

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<input type="radio"/>	 ( <a href="https://lms.vitonline.in/courses/131/modules/items/19911">https://lms.vitonline.in/courses/131/modules/items/19911</a> )
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### Learning Outcome Addressed

- Design, implement and evaluate software systems to assure software quality.

It is now time to assess your understanding of the concepts covered so far in this module.

### Quiz Instructions

- The time limit for this quiz is 30 mins. Kindly complete and submit this quiz within this time.
- You have only one attempt to answer this quiz.
- All quiz attempts must be attempted by **Sunday, April 06, 2025, by 11:59 PM IST.**

**Note:** This is a graded quiz and counts towards programme completion.

## Attempt History

	Attempt	Time	Score
<b>LATEST</b>	<a href="#">Attempt 1</a>	5 minutes	19 out of 20

❗ Correct answers will be available on Apr 7 at 12am.

Score for this quiz: 19 out of 20

Submitted Apr 6 at 7:17pm

This attempt took 5 minutes.



Question 1

1 / 1 pts

Which cohesion should be supported by the modules developed for fan-in?

- ☒ Functional cohesion
- ☐ Sequential cohesion
- ☐ Procedural cohesion.
- ☐ Communicational cohesion

That's correct!



IncorrectQuestion 2

0 / 1 pts

Identify the type of cohesion in the following scenario - 'Update record in the database and send it to the printer'.

- ☒ Procedural cohesion.
- ☐ Functional cohesion
- ☐ Sequential cohesion.
- ☐ Communicational cohesion.

That's incorrect! Revisit the videos for this week.



### Question 3

1 / 1 pts

Identify the type of cohesion in the following scenario - 'A component reads inputs from tape, disk, and network'.

- ☐ Procedural cohesion.
- ☐ Temporal cohesion.
- ☐ Communicational cohesion.
- ☒ Logical cohesion.

That's correct!



### Question 4

1 / 1 pts

Identify the type of cohesion in the following scenario - 'Print next line and reverse the characters of a string in a single component'

- ☐ Communicational cohesion.
- ☐ Logical cohesion.
- ☐ Temporal cohesion.
- ☒ Coincidental cohesion

That's correct!



### Question 5

1 / 1 pts

Identify the type of coupling in the following scenario - 'Sort function that takes comparison function as an argument'-

- ☐ External coupling
- ☐ Common Coupling
- ☒ Control Coupling
- ☐ Stamp coupling

That's correct!



### Question 6

1 / 1 pts

\_\_\_\_\_ is achieved when a module only performs a single computation, and returns a result, without having side effects

- ☐ Sequential cohesion
- ☐ Layer cohesion
- ☒ Functional cohesion
- ☐ Communicational cohesion

That's correct!



#### Question 7

1 / 1 pts

\_\_\_\_\_ is achieved when facilities for operating on the same data are kept together, and everything else is kept out.

- ☐ Procedural cohesion
- ☒ Communicational cohesion
- ☐ Sequential cohesion
- ☐ Layer cohesion

That's correct!



#### Question 8

1 / 1 pts

The procedures used in the same phase of execution like initialization or termination is

- ☐ Layer cohesion
- ☒ Temporal cohesion
- ☐ Communicational cohesion
- ☐ Sequential cohesion

That's correct!



#### Question 9

1 / 1 pts

\_\_\_ occurs whenever one of the application classes is declared as the type of a method argument.

- ☒ Stamp coupling

- ☐ Common coupling
- ☐ Control coupling
- ☐ Data coupling

That's correct!



#### Question 10

1 / 1 pts

\_\_\_\_\_ occurs when a module has a dependency on such things as the operating system, shared libraries or the hardware.

- ☐ Stamp coupling
- ☒ External coupling
- ☐ Control coupling
- ☐ Data coupling

That's correct!



#### Question 11

1 / 1 pts

Browsers that display web pages and post forms is a \_\_\_\_ program

- ☐ Server
- ☒ Client
- ☐ Framework
- ☐ Application

That's correct!



#### Question 12

1 / 1 pts

A post-office program that receives email from remote sites and holds it until an email-reading client is activated is a \_\_\_\_\_ program.

- ☐ Application
- ☐ Client
- ☐ Framework
- ☒ Server

That's correct!



### Question 13

1 / 1 pts

Application families have a common

- ☐ Core applications
- ☐ None of the above
- ☐ Control styles
- ☒ Domain specific architecture

That's correct!



### Question 14

1 / 1 pts

\_\_\_\_\_ is a reusable software that implements a generic solution to a generic problem.

- ☐ Subsystem
- ☐ Component
- ☒ Framework
- ☐ Module

That's correct!



### Question 15

1 / 1 pts

If many applications need to have a 'preferences' dialog that allows users to specify many kinds of options then \_\_\_\_\_ framework is to be utilised.

- ☐ Sequential
- ☐ Parallel
- ☒ Horizontal
- ☐ Vertical

That's correct!



### Question 16

1 / 1 pts

\_\_\_\_\_ is the component that is defined at the programming language level.

- ☐ System
- ☐ Component
- ☐ Subsystem
- ☒ Module

That's correct!



#### Question 17

1 / 1 pts

\_\_\_\_\_ is any piece of hardware or software that has a clear role and can be isolated.

- ☐ Module
- ☐ Subsystem
- ☐ System
- ☒ Component

That's correct!



#### Question 18

1 / 1 pts

A logical entity that has clear defined objectives or responsibilities and consists of hardware or software or both is termed as \_\_\_\_\_

- ☒ System
- ☐ Subsystem
- ☐ Module
- ☐ Component

That's correct!



#### Question 19

1 / 1 pts

\_\_\_\_\_ is used to give the system a good structure.

- ☐ Database design
- ☐ User interface design
- ☒ Top level design

☐ Bottom level design

That's correct!



Question 20

1 / 1 pts

The design of computational mechanisms is termed as \_\_\_\_\_

☐ Protocol design

☒ Algorithm design

☐ Database design

☐ Class design

That's correct!

Quiz Score: 19 out of 20