

Module 12 - Quiz

- Due Nov 18 at 11:59pm
- Points 100
- Questions 10
- Time Limit 30 Minutes
- Allowed Attempts 2

Instructions

The purpose of this quiz is to check your understanding of and reinforce key concepts covered in this module.

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Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	9 minutes	96.67 out of 100

❗ Correct answers are hidden.

Score for this attempt: 96.67 out of 100

Submitted Nov 18 at 3:37pm

This attempt took 9 minutes.



PartialQuestion 1

6.67 / 10 pts

Which of the following metrics can be used as indicators of modularity? (select all that apply)

- ☒ Cohesion
- ☐ Cyclomatic Complexity
- ☒ Coupling
- ☐ Information Volume



Question 2

10 / 10 pts

Which of the following has the highest defect detection rate?

- ☐ Testing
- ☒ Inspection
- ☐ Walkthrough
- ☐ Program debugging



Question 3

10 / 10 pts

The error amplification phenomenon causes defects to grow over time according to which type of growth pattern?

- ☒ Geometric
- ☐ Linear
- ☐ Logarithmic
- ☐ Sinosoidal



Question 4

10 / 10 pts

The cost of finding and fixing defects increases over time throughout the project life cycle according to which type of growth pattern?

- ☒ Exponential
- ☐ Random
- ☐ Logarithmic
- ☐ Linear



Question 5

10 / 10 pts

Which of the following categories of metrics was not discussed in this module?

- ☒ Management
- ☐ Product
- ☐ Quality
- ☐ Process



Question 6

10 / 10 pts

Which of the following statements about quality requirements are true? (select all that apply)

- ☐ When metrics are not used evidence of quality requirement visibility typically occurs in earlier life cycle phases
- ☒ Quality requirements are typically non-functional requirements
- ☐ Presence/absence of quality requirements cannot be measured until coding has been completed
- ☒ When metrics are not used evidence of quality requirement visibility typically occurs in later life cycle phases



Question 7

10 / 10 pts

In the formal inspection review model, which role is responsible for ensuring that all the steps and all the rules are followed?

- ☐ Project manager
- ☐ Facilitator
- ☒ Moderator
- ☐ Author



Question 8

10 / 10 pts

A software engineering metric that indicates the interdependence between software components is:

- ☒ Coupling
- ☐ Cohesion
- ☐ Volume
- ☐ Complexity



Question 9

10 / 10 pts

Which of the following metrics typically needs to be correlated with data such as hours to test or hours to debug in order to make it useful in practice?

- ☒ Information Volume
- ☐ Cyclomatic Complexity
- ☐ Cohesion
- ☐ Program Knots



Question 10

10 / 10 pts

Which of the following statements about cohesion is true? (select all that apply)

- ☐ The more multi-purposed or ill-defined a component is the higher its cohesion
- ☒ In object-oriented software development cohesion can be applied at both the class level and method level
- ☒ Poor cohesion can make testing and maintenance more costly
- ☐ Cohesion is an indicator of how independent a component is

Quiz Score: 96.67 out of 100