

# Assignment Questions

1. Question: Which of the following is a primary advantage of using reuse-oriented software engineering?

- A) Increased system complexity and reduced development time.
- B) Faster delivery and deployment of software due to pre-tested components.
- C) Greater control over system evolution and minimized requirements compromises.
- D) Higher development cost and increased project risks due to reliance on external components.

Correct Answer: B

2. Question: Which of the following best describes the purpose of integration and system testing in software development?

- A) To verify that each individual component functions correctly.
- B) To identify defects and ensure the software behaves as expected after individual units are combined.
- C) To deliver the final product to the customer for deployment.
- D) To perform ongoing maintenance after the software is deployed.

Correct Answer: B

3. Question: What is the primary purpose of the "Requirements analysis and definition" phase in the Waterfall Model?

- A) To define the system's overall architecture.
- B) To write the actual source code for the system.

C) To gather system services, constraints, and objectives from stakeholders and document them in an SRS.

D) To perform unit testing on individual software components.

Correct Answer: C

4. Question: Which of the following is the first stage in the reuse-based development process?

A) Software discovery and evaluation

B) Requirements refinement

C) Requirements specification

D) Application system configuration

Correct Answer: C

5. Question: Which of the following best describes the Waterfall model in software development?

A) A process where development is done incrementally, adding functionality to each version.

B) A sequential process with distinct phases that must be completed in order, with no overlap.

C) A model that relies on reusable components and integrates them into a complete system.

D) A process that focuses on planning and scheduling all activities in advance before development begins.

Correct Answer: B