Test I - Multiple-Choice Exam: Software Testing

Each question is worth 3 points. Choose the best answer for each item.

1. Which of the following is a direct objective of software testing?

- A. To compile a record of software errors for process improvement
- B. To perform tests efficiently and within budgetary limitations
- C. To create a test plan for acceptance testing
- D. To verify the hardware-software mapping

2. What type of testing is performed by developers on individual units or modules?

- A. System Testing
- B. Integration Testing
- C. Unit Testing
- D. Acceptance Testing

3. The primary purpose of integration testing is to:

- A. Verify that individual units perform as expected
- B. Ensure modules and their interfaces work together
- C. Test the product's compliance with business requirements
- D. Evaluate the software under heavy loads

4. Which testing phase is responsible for verifying that the system requirements have been correctly implemented?

- A. System Testing
- B. Performance Testing
- C. Unit Testing
- D. Acceptance Testing

5. Which of the following is NOT part of the general format for documenting test cases?

- A. Test Case ID
- B. Test Data
- C. Administrative Details
- D. System Architecture

6. What is the focus of performance testing?

- A. Identifying mismatched interfaces
- B. Ensuring non-functional requirements are met
- C. Verifying the mapping between requirements and design
- D. Testing the usability of the system

7. During the requirements analysis phase, which activity is performed?

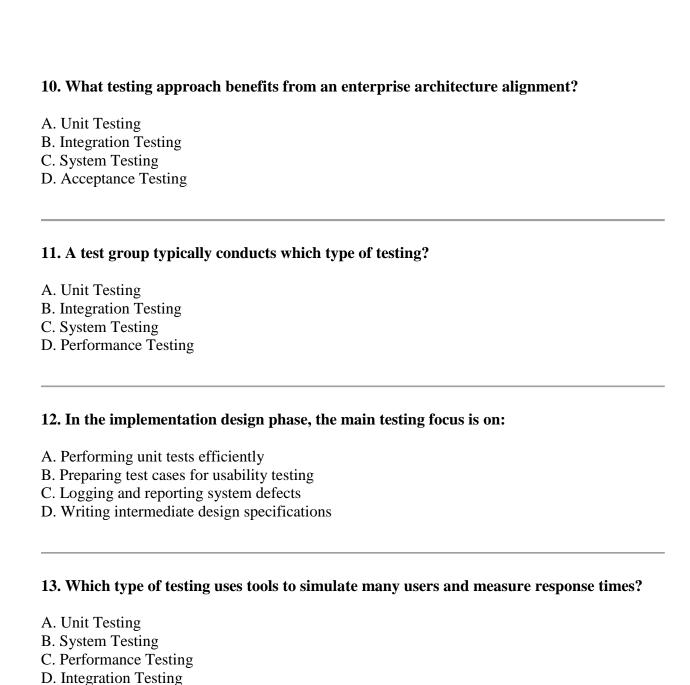
- A. Validating the design and interface
- B. Writing and compiling classes and methods
- C. Evaluating the gathered requirements
- D. Preparing for acceptance and usability testing

8. In the intermediate design phase, testing activities involve:

- A. Verifying system requirements
- B. Refining unit and integration test plans
- C. Preparing system deployment
- D. Conducting stress testing

9. The purpose of acceptance testing is to:

- A. Identify as many errors as possible in the software
- B. Verify that modules function correctly in isolation
- C. Demonstrate the product meets customer expectations
- D. Test the software under heavy loads



14. A properly documented test case includes:

A. Test harnesses and technical code testsB. Test objectives, steps, and expected resultsC. System architecture and design mapping

D. Business requirements traceability

15. Which objective of testing involves compiling a record of errors for process improvement?

- A. Direct Objective
- B. Indirect Objective
- C. Technical Objective
- D. Process Objective

Test II - Fill in the Missing Words (5 pts each)

Complete the words below to identify the characteristics of emerging technologies:

1. **R_a_i_a_ N_o_e_t_**

Emerging technologies introduce groundbreaking approaches that disrupt existing methods.

2. **R_l_t_v_l_ F_s_**

These technologies develop quickly, adapting to changes and advancing rapidly.

3. **C**_**o**_**e**_**e**_**c**_

Their components and applications align cohesively to address complex problems.

4. **P_o_i_e_t I_p_a_t**

Emerging technologies significantly transform industries, economies, and societies.

5. U_c_r_a_n_y and A_b_g_i_y

Due to their novelty, these technologies often have unpredictable outcomes.