



**Dayananda Sagar  
University**

Date: 21/05/2020

Time: 11.00 am to 12.30 pm

**SCHOOL OF ENGINEERING  
KUDLU GATE, BANGALORE-560068  
Department of Computer Applications  
6<sup>th</sup> Semester B.C.A. – IA Test 3**

**Software Testing  
(16CA210)**

**Max Marks: 50**

**Duration: 1 ½ hrs**

- Note:**
- 1. Answer ALL the Questions**
  - 2. Part A carries 12 marks**
  - 3. Part B carries 20 marks**
  - 4. Part C carries 18 marks**

**PART A (1\*10=10 Marks)**

- 1** Alpha testing is done at
- a) Developer's end
  - b) User's end
  - c) Developer's & User's end
  - d) None of the mentioned

**1 mark**

2. Boundary value analysis belong to? 1 mark
- a) White Box Testing
  - b) Black Box Testing
  - c) White Box & Black Box Testing
  - d) None of the mentioned.
3. What are the various Testing Levels? 1 mark
- a) Unit Testing
  - b) System Testing
  - c) Integration Testing
  - d) All of the mentioned
4. Which of the following is/are White box technique? 1 mark
- a) Statement Testing
  - b) Decision Testing
  - c) Condition Coverage
  - d) All of the mentioned.

5. Exhaustive testing is 1 mark  
a) always possible  
b) practically possible  
c) impractical but possible  
d) impractical and impossible.
6. Which of the following term describes testing? 1 mark  
a) Finding broken code  
b) Evaluating deliverable to find errors  
c) A stage of all projects  
d) None of the mentioned.
7. Which of the following is black box testing 1 mark  
a) Basic path testing  
b) Boundary value analysis  
c) Code path analysis

8. Unit testing is done by 1 mark  
a) Users  
b) Developers  
c) Customers  
d) None of the mentioned.
9. Which of the following is non-functional testing? 1 mark  
a) Black box testing  
b) Performance testing  
c) Unit testing  
d) None of the mentioned.
10. Acceptance testing is also known as 1 mark  
a) Grey box testing  
b) White box testing  
c) Alpha Testing  
d) Beta testing
11. The testing in which code is checked 1 mark  
a) Black box testing  
b) White box testing  
c) Alpha testing  
d) Beta testing
12. SCM stands for 1 mark  
a) Software Control Management  
b) Software Configuration Management  
c) Software Concept Management  
d) None of the mentioned

## **PART B (2\*10=20 Marks)**

13. Test cases are designed during \_\_\_\_\_ stage. **2 marks**
14. Pre-release testing by end user representatives at the developer's site is \_\_\_\_\_. **2 marks**
15. A \_\_\_\_\_ is a document, or piece of software that allows testers to determine whether a test has been passed or failed and \_\_\_\_\_ is an environment that contains all the hardware and software needed to test a software component or a software system. **2 marks**
16. Name some of the Automation tools. **2 marks**
17. State any two advantages of automation testing. **2 marks**
18. Name any two types of functional testing. **2 marks**
19. Name any two types of non-functional testing **2 marks**
20. The auxiliary code developed to support testing of units and components is called \_\_\_\_\_. It consists of \_\_\_\_\_ that call the target code and stubs that represent modules it calls. **2 marks**
21. Designing test cases using the \_\_\_\_\_ approach is based on the tester's/developer's past experience. **2 marks**  
A \_\_\_\_\_ is a group meeting whose purpose is to evaluate a software artifact or a set of software artifacts
22. A \_\_\_\_\_ is an abstract machine that can be represented by a state graph having a finite number of \_\_\_\_\_ and a finite number of \_\_\_\_\_ between states. **2 marks**

## **PART C (3\*6=18 Marks)**



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|-----|---|---------|
| 23. | When is Automation testing useful?                                  | 3 marks |
| 24. | Write the different types of system testing.                        | 3 marks |
| 25. | What is performance testing? Give one example for it.               | 3 marks |
| 26. | What is stress testing? Give one example for it.                    | 3 marks |
| 27. | Write the steps in test automation process.                         | 3 marks |
| 28. | Mention the areas to be focused by testers during recovery testing? | 3 marks |