(FOR THE CANDIDATES ADMITTED
 DURING THE ACADEMIC YEAR 2020 -2023 ONLY)

20UBC520

REG.NO. :

N.G.M.COLLEGE (AUTONOMOUS) : POLLACHI
END-OF-SEMESTER EXAMINATIONS : DECEMBER-2022

COURSE NAME : B.C.A   MAXIMUM MARKS: 70

SEMESTER : V   TIME : 3 HOURS

PART - III
SOFTWARE TESTING
SECTION - A   (10 X 1 = 10 MARKS)

ANSWER THE FOLLOWING QUESTIONS.
MULTIPLE CHOICE QUESTIONS.   (K1)

1. Which of the following is the method of black box testing?
    a) Boundary Value Analysis   b) Basic Path Testing
    c) Code Path Testing   d) Loop Testing

2. Which of the following is not the level of testing?
    a) Unit Testing   b) Integration Testing   c) Linu x Testing   d) System Testing

3. Which testing type is not a part of system testing?
    a. Random Testing   b. Smoke Testing   c. Compatibility Testing   d. Usability Testing

4. Select the testing method where a low-code method or technique that uses a tool to automate
   tests without writing test scripts_____.
    a. Record and Playback   b. Integration   c. Map Object   d. Web

5. WinRunner has _____ types of recording modes.
     a. two   b. three   c. four   d. five

ANSWER THE FOLLOWING IN ONE (OR) TWO SENTENCES.   (K2)

6. Illustrate the coverage technique which helps to design white box test cases.
7. Indicate the type of testing, to ensure that the code changes that are made are working as
   properly.
8. Illustrate software testing that checks the schema, tables, triggers etc.
9. Interpret Context Sensitive Mode.
10. Indicate the purpose of GUI Map in WINRUNNER.

SECTION – B   (5 X 4 = 20 MARKS)
ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS. (K3)

11. a) Compare Black box Testing with White Box Testing.
                                   (OR)
    b) Examine Boundary Value Analysis.

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12.a) Differentiate Decision Coverage from Path Coverage.
                                (OR)
   b) Compare Client/Server Testing with Security Testing.

13. a)   Interpret Software Metrics.
                                (OR)
   b) Explain the procedure of applying Project Metrics.

14. a) Describe the Quality Standards in Test Tools.
                                (OR)
   b) Examine Test/Error Recover concept.

15. a) Describe the Two models offered for Recording Test.
                                (OR)
    b) Illustrate the purpose of GUI Map and its object properties.

SECTION - C   **(4 X 10 = 40 MARKS)**
ANSWER ANY FOUR OUT OF SIX QUESTIONS
(16ᵗʰ QUESTION IS COMPULSORY AND ANSWER ANY THREE QUESTIONS
(FROM Qn. No : 17 to 21)   **(K4 (Or) K5)**

16.   Analyze the various levels of testing and its purposes.

17.   Discuss Software Testing Life Cycle.

18.   Evaluate the various special types of testing with illustrations.

19.   Discuss on various phases of Test Plan.

20.   Analyze the various features of Automation Tools.

21.   Discuss main stages of Testing Process in Win Runner.

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