PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BSc DEGREE EXAMINATION MAY 2022
(Sixth Semester)

Branch – COMPUTER SCIENCE

SOFTWARE TESTING

Time: Three Hours   Maximum: 75 Marks
SECTION-A (10 Marks)
Answer ALL questions
ALL questions carry EQUAL marks   (10 x 1 = 10)

1. Which of the following is not correct model in Software Development Paradigm?
   (i) Waterfall Model   (ii) P Model
   (iii) Spiral Model   (iv) V Model

2. White Box Techniques are also called as:-
   (i) Design Based Testing   (ii) Experience Based Technique
   (iii) Structural Testing   (iv) Error Guessing Technique

3. Which of the following testing is related to the Boundary Value Analysis?
   (i) White box and Black box testing   (ii) White box testing
   (iii) Black box testing   (iv) none of the above

4. Which of the following testing is also called Acceptance testing?
   (i) Beta testing   (ii) White box testing
   (iii) Grey Box testing   (iv) Alpha testing

5. In which of the following type of testing, testing is done without planning and documentation?
   (i) Unit Testing   (ii) Retesting
   (iii) Ad hoc testing   (iv) Regression testing

6. In _____, the test engineer implements the same test cases on a modified build.
   (i) Ad hoc testing   (ii) Regression testing
   (iii) Sanity Testing   (iv) Retesting

7. _____ is concerned with summarizing information about the testing endeavour.
   (i) Test Control   (ii) Test Monitoring
   (iii) Test Reporting   (iv) Configuration Management

8. _____ deals with identifying alternative strategies to combat a risk event, short that risk materialize.
   (i) Risk identification   (ii) Risk quantification
   (iii) Risk management   (iv) Risk mitigation planning

9. A _____ is a module that combines " What to execute" and "how they have to be executed".
   (i) Test Framework   (ii) Test case
   (iii) Test Automation   (iv) Test data

10. _____ are very important to analyze the behaviour of a test suite and a product.
    (i) Test Suite   (ii) Audit logs
    (iii) Audit reports   (iv) Report generator

SECTION - B (25 Marks)
Answer ALL questions
ALL questions carry EQUAL Marks   (5 x 5 = 25)

11 a   Briefly Explain Spiral model.
                          OR
    b   Write note on Advantages of Function Coverage.

12 a   Distinguish between Functional testing and Non-functional testing.
                          OR
    b   Narrate a note on System Scenario.

13 a   What are the Tools used for Performance Testing? Explain it.
                          OR
    b   Write the Drawbacks of adhoc testing and their resolution.

14 a   Write note on Test Reporting.
                          OR
    b   Explain the identification of Resource Requirements and Test Deliverables.

15 a   Explain : "Skills Needed for Automation".
                          OR
    b   Discuss about the Process Model used for Automation.

SECTION -C (40 Marks)
Answer ALL questions
ALL questions carry EQUAL Marks   (5 x 8 = 40)

16 a   Explain the various Phases of Software project.
                          OR
    b   Discuss about the Multiple methods of Static testing used by humans.

17 a   Analyze the Highlights that Select Test Cases for Acceptance Testing.
                          OR
    b   Describe about the Setting up the Configuration and Stress Testing.

18 a   Point Out that features Agile and Extreme Testing.
                          OR
    b   Summarize the concepts of Collective Requirements and Writing Test cases in Performance Testing.

19 a   Explain the Size and Effort Estimation.
                          OR
    b   Discuss about the Characteristics of Common Risk Management.

20 a   Elucidate on Selecting a Test Tool.
                          OR
    b   What are the terms used in Automation? Discuss it.

Z-Z-Z   END