

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BSc DEGREE EXAMINATION MAY 2024
(Sixth Semester)

Branch – COMPUTER SCIENCE

SOFTWARE TESTING

Time: Three Hours

Maximum: 50 Marks

SECTION-A (5 Marks)

Answer ALL questions

ALL questions carry EQUAL marks (5 x 1 = 5)

- 1 Which of the following is not part of the Test document?
(i) Test Case (ii) Requirements Traceability Matrix [RTM]
(iii) Test strategy (iv) Project Initiation Note [PIN]
- 2 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) Acceptance testing
- 3 Regression testing is primarily related to
(i) Functional testing (ii) Development testing
(iii) Dataflow testing (iv) Maintenance testing
4. Which of the following is not a part of STLC (Software Testing Life Cycle)?
(i) Testing Planning (ii) Requirement Gathering
(iii) Test Design (iv) Testing closure
5. The test levels are performed in which of the following order?
(i) Unit, Integration, System, Acceptance
(ii) It is based on the nature of the project
(iii) Unit, Integration, Acceptance, System
(iv) Unit, System, Integration, Acceptance

SECTION - B (15 Marks)

Answer ALL Questions

ALL Questions Carry EQUAL Marks (5 x 3 = 15)

- 6 a. State the phases of software project in software testing.
OR
b. Define Static testing and what are the static testing analysis tools available.
- 7 a. Bring out why and when black box testing should be done.
OR
b. Narrate the benefits of system testing.
- 8 a. Sketch the testing methodology for performance testing.
OR
b. Show the types of regression testing.
- 9 a. Describe how to develop a test case.
OR
b. Bring out the staffing and training needs in test planning.
- 10 a. Bring out the skills needed for Automation.
OR
b. List the scope of Automation.

Cont...

SECTION -C (30 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks

(5 x 6 = 30)

- 11 a. Elucidate the various Software Life cycle models.
OR
b. State and explain the challenges in White Box Testing in detail.
- 12 a. Explain the Blackbox testing in detail.
OR
b. Explain the system and accepting testing in detail.
- 13 a. List and explain the challenges in Performance testing.
OR
b. Explain the various types of Ad hoc testing.
- 14 a. Explain about infrastructure management and its importance.
OR
b. Explain the test plan and test report in detail.
- 15 a. Explain the design and architecture for Automation in detail.
OR
b. Describe the generic requirements for test tool and framework in detail.

Z-Z-Z

END