

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BSc DEGREE EXAMINATION MAY 2019
(Sixth Semester)

Branch - COMPUTER TECHNOLOGY

SOFTWARE TESTING

Time : Three Hours

Maximum : 75 Marks

SECTION-A (20 Marks)

Answer ALL questions

ALL questions carry EQUAL marks (10 x 2 = 20)

- 1 Define an error.
- 2 What is test bed?
- 3 Define Random testing.
- 4 What is control flow graph?
- 5 What are milestones?
- 6 Mention any two technical skills needed by a test specialist.
- 7 What is the role of a review recorder?
- 8 Who is a Moderator?
- 9 Define SQA group.
- 10 What is meant by Quality Control?

SECTION - B (25 Marks!)

Answer ALL Questions

ALL Questions Carry EQUAL Marks (5 x 5 = 25)

- 11 a Write any five software testing principles.
OR
b Explain the role of process in Software Quality.
- 12 a Briefly explain about mutation testing.
OR
b Explain any five properties for evaluating test adequacy criteria.
- 13 a Compare Alpha, Beta and Acceptance tests.
OR
b Explain the criteria for test completion.
- 14 a Briefly write about Review Metrics.
OR
b Explain two types of Reviews.
- 15 a Describe defect casual analysis.
OR
b Explain the measurements for software reliability.

SECTION - C 130 Marks!

Answer any THREE Questions

ALL Questions Carry EQUAL Marks (3 x 10 = 30)

- 16 Discuss the different classes of defects.
- 17 Explain the various approaches for black-box testing.
- 18 Describe the components of test pan.
- 19 Illustrate the various components of review plan.
- 20 Elaborate usability testing.