

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)
BSc DEGREE EXAMINATION MAY 2018
(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 (10x2=20)

- 1 Why do we need testing? ■
- 2 Define a defect.
- 3 What is a test case?
- 4 What is the role of coverage control graphs?
- 5 What is a report?
- 6 Give the importance of test result.
- 7 Discuss review plan.
- 8 What is a review metric?
- 9 Define quality.
- 10 Write the purpose of defect analysis.

SECTION - B (25 Marks)

Answer ALL Questions

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

- 11 a Why testing process, are important? Explain.
OR
b Explain the fundamental procedure for testing.
- 12 a List out the test case design strategies.
OR
b What are coverage control graphs? Explain.
- 13a Discuss the testing policies.
OR
b Write a short notes on test organization.
- 14 a Give the importance of review metrics.
OR
b When the review rework is needed? Justify.
- 15 a What is usability testing? Explain
OR
b Write a short notes on defect causal.

SECTION - C (30 Marks)

Answer any THREE Questions

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

- 16 Explain the classes of defects in detail.
- 17 Discuss the block box test design approaches.
- 18 Explain the various levels of testing.
- 19 Explain the component of Review Plans.
- 20 How the defects can be prevented? Explain.