

Exam Date & Time: 28-Sep-2020 (10:00 AM - 01:45 PM)



PSG COLLEGE OF ARTS AND SCIENCE

Note: Writing 3hrs: Checking & Inserting Image : 30mins

BSc DEGREE EXAMINATION MAY 2020
(Sixth Semester)

Branch - COMPUTER TECHNOLOGY
SOFTWARE TESTING [15CTU37]

Marks: 75

Duration: 210 mins.

SECTION A

Answer all the questions.

- 1) What are reviews? (2)
- 2) Name the components of a test case. (2)
- 3) Define a path. (2)
- 4) Give the formula for McCabe's cyclomatic complexity. (2)
- 5) What are the two major goals of integration test? (2)
- 6) Define project monitoring. (2)
- 7) Write any two responsibilities of a review leader. (2)
- 8) State any two benefits of a review program. (2)
- 9) What is a 'fish bone' diagram? (2)
- 10) Define quality. (2)

SECTION B

Answer all the questions.

- 11) Explain the types of design defects. (5)
 - a)
- [OR]
- b) Prepare a note on software quality. (5)
- 12) Explain about equivalence class partitioning. (5)

- a)
[OR] Describe in brief about random testing. (5)
b)
- 13) Explain about the documents attached to the test plan. (5)
- a)
[OR] Discuss about the technical skills needed by a test specialist. (5)
b)
- 14) Prepare a note on review metrics. (5)
- a)
[OR] Describe the two types of reviews. (5)
b)
- 15) Explain about the techniques required for defect analysis. (5)
- a)
[OR] Prepare a note on quality control. (5)
b)

SECTION C

Answer 3 out of 5 questions.

- 16) Discuss the principles of software testing. (10)
- 17) Highlight the approaches followed for white box testing. (10)
- 18) Explain the different types of system test. (10)
- 19) Describe the components of review plan. (10)
- 20) Elaborate in detail about usability testing. (10)

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