PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)
BCA DEGREE EXAMINATION DECEMBER 2019
(Fifth Semester)

Branch - COMPUTER APPLICATIONS

SOFTWARE ENGINEERING AND TESTING

Time : Three Hours   Maximum : 75 Marks
SECTION-A (20 Marks!
Answer **ALL** questions
ALL questions carry **EQUAL** marks   (10 x2 = 20)

1   Define Software engineering.
2   What is meant by Software process?
3   Define the term architectural design.
4   What are the advantages of software design?
5   Define White box testing.
6   What do you meant by static testing?
7   Define the term system testing.
8   What is meant for acceptance testing?
9   Define cost estimation.
10 How to improve the quality of a software?

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SECTION - B (25 Marks)
Answer **ALL** Questions
ALL Questions Carry **EQUAL** Marks (5 x 5 = 25)

11 a Write short notes on software requirements.
                    OR
    b How to manage the project in software engineering.

12 a Explain briefly about the architectural design in design phase.
                    OR
    b Give short notes on software evolution.

13 a How to do black box testing? Explain briefly the steps of black box testing.
                    OR
    b Write short notes on static and structural testing.

14 a Describe briefly about the functional vs non-functional testing.
                    OR
    b How to manage the people in software development?

15 a Write a note on acceptance testing.
                    OR
    b Explain quality management with suitable example.

SECTION - C (30 Marks)
Answer any **THREE** Questions
ALL Questions Carry **EQUAL** Marks (3 x 10 = 30)

16   Explain in detail about the software development process.

17   Describe in detail about the rapid software development.

18   Explain the following:
        (i) Integration Testing (ii) White Box Testing.

19   Explain various methodology for performance testing in detail.