PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BCA DEGREE EXAMINATION MAY 2017
(Fifth Semester)

Branch - COMPUTER APPLICATIONS

SOFTWARE ENGINEERING & TESTING

Time : Three Hours   Maximum : 75 Marks

SECTION-A (20 Marks)
Answer ALL questions
ALL questions carry EQUAL marks   (1 0 x 2 = 20)

1   What is a Socio technical system?
2   Define software process.
3   What are the types of requirements?
4   Expand : RAD.
5   Define Verification and Validation Testing.
. 6 What is meant by software testing?
7   What is WBT?
8   What do you mean by acceptance testing?
9   Give the usage of functional points.
10. Compare quality and productivity.

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

11a What is SRS? Why it is important?
                    OR
    b # Write a short note on "Spiral Model".

12 a Outline the advantages and disadvantages of using Client-Server model.
                    OR
    b Define the characteristics of the RAD processes.

13 a Write a note on "Unit Testing".
                    OR
    b Explain about Black Box Testing.

14 a What is meant by system testing? Why it is performed?
                    OR
    b Write down the methodologies for doing performance testing.

15 a Briefly explain the managerial activities in engineering process.
                    OR
    b   Describe the importance of quality management.

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

16   Discuss in detail about SRS.

17   Explain Software evolution process in detail.

' 18 Discuss the testing strategies in detail.

19   Discuss in detail abut the People Capability Maturity Model.

20   Elaborate on Software cost estimation techniques.