PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

MCA DEGREE EXAMINATION DECEMBER 2018
(Third Semester)

Branch - **COMPUTER APPLICATIONS**

SOFTWARE ENGINEERING &
SOFTWARE PROJECT MANAGEMENT

Time: Three Hours   Maximum: 75 Marks

SECTION -A (30 Marksl
Answer **ALL** questions
ALL questions carry **EQUAL** Marks (5 x 6 = 30)

1 a Discuss on Life cycle models.
                              OR
   b Describe the Selection criteria for software process models.

2 a Explain the metrics for Software quality.
                              OR
   b Discuss on Software estimation techniques.

3 a Describe the method of feasibility studies and structured analysis.
                              OR
   b Explain the approaches and phases in Software Reengineering.

4 a Discuss on Software Project versus other types of Projects.
                              OR
   b Describe the method of Choosing techniques, Technical plan and Contents
      list.

5 a Explain the categories of risk and the framework for dealing with risks.
                              OR
   b Discuss on the importance of Software quality.

SECTION -B (45 Marks)
Answer any **THREE** questions
ALL questions carry **EQUAL** Marks (3 x 1 5 = 45)

6   Explain the Design concepts, Design models and Pattern - based design.

       What are Measures, Metrics, Indicators? Discuss on the Metrics in the
       Process and Project domains.

8   Describe the different types of Testing and its importance.

9   Explain the Waterfall model, V process model and iterative process model.

10   Discuss on Risk identification, assessment, planning and management.

                              Z-Z-Z   END