

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

MCA DEGREE EXAMINATION MAY 2019
(Third Semester)

Branch - **COMPUTER APPLICATIONS**

SOFTWARE ENGINEERING &
SOFTWARE PROJECT MANAGEMENT

Time: Three Hours

Maximum: 75 Marks

SECTION -A (30 Marks)

Answer **ALL** questions

ALL questions carry **EQUAL** Marks (5 x 6 = 30)

- 1 a Explain the process framework activities of software process.
OR
b Write a note on software process assessment.
- 2 a Write short notes on metrics in the process and project domains.
OR
b What is software reliability? Explain.
- 3 a What is a data dictionary? Explain with example.
OR
b Briefly explain about unit testing.
- 4 a Explain the problems associated with software projects.
OR
b Describe the classical waterfall model with neat diagram.
- 5 a Explain the various categories of risk'.
OR
b Write a note on product vs project quality management.

SECTION -B (45 Marks)

Answer any **THREE** questions

ALL questions carry **EQUAL** Marks (3 x 15 = 45)

- 6 * Explain the major elements of design model of software engineering.
- 7 Explain the LOG estimation technique with example.
- 8 Discuss in detail about Business process reengineering.
- 9 Describe the common steps of project analysis.
- 10 Explain the external standards of software quality.

Z-Z-Z

END