

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

MSc DEGREE EXAMINATION DECEMBER 2018
(Ninth Semester)

Branch -**SOFTWARE SYSTEMS**
(Five year integrated)

CORE ELECTIVE-IV : AGILE DEVELOPMENT AND DevOps

Time: Three Hours

Maximum: 75 Marks

SECTION -A (30 Marks)

Answer **ALL** questions

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

- 1 a What is the importance of Agile Software development paradigm?
OR
b What is the importance of Teamwork in learning environment?
- 2 a List out the time related problems in software projects and explain.
OR
b What do you mean by customer story? Does the 'Design and then Study' approach fit into Agile method? Justify your answer.
- 3 a What is the agile approach to quality assurance?
OR
b Expound on Abstraction in learning environment.
- 4 a How does the Devops improve the Business Organization?
OR
b Give the Devops reference architecture and explain the paths to devops Adoption.
- 5 a How does Iaas and Paas cloud models suits Devops? Explain.
OR
b Expound on the challenges that can be solved by Devops in supply chain management.

SECTION -B (45 Marks)

Answer any **THREE** questions

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

- 6 ■ Agile software development - Does it form a professional software development environment? Justify your answer.
- 7 Give a detailed note on measures.
- 8 How does TDD improve quality in development and learning environments? Explain the concept.
- 9 Explain the following :
 - (i) Develop / Test, Deploy, Operate (4)
 - (ii) Process in DevOps (3)
 - (iii) Technology in DevOps (3)
- 10 Cloud and DevOps - Explain the concept.