PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

MSc DEGREE EXAMINATION MAY 2018
(Second Semester)

Branch – COMPUTER SCIENCE

SOFTWARE AGENTS

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 Agent – Enabled system Architecture with a neat diagram.
OR
   b Discuss (i) Agents for Information Gathering   (ii) Mobile Agents.

2 a What are deductive reasoning agents?
OR
   b Briefly discuss on Task Sharing and Result Sharing.

3 a Give a short account on Rule Learning.
OR
   b Explain the approaches to knowledge base development.

4 a Explain Expert Agent interactions during knowledge elicitation process.
OR
   b Describe the architecture of Disciple Shell.

5 a Write down the features of JADE.
OR
   b Write in short about Agents with a Graphical User Interface (GUI).

SECTION -B (45 Marks)
Answer any THREE questions
ALL questions carry **EQUAL** Marks   (3 x 15 = 45)

6   What is a Software Agent? Discuss in detail.

7   Write in detail about Hybrid Agents.

8   Describe Knowledge Elicitation.

9   Explain the methodology for building Intelligent Agents.

10   Briefly discuss Agent Communication language (ACL) messages.

Z-Z-Z   END