PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

MSc DEGREE EXAMINATION DECEMBER 2023
(Second Semester)

Branch - **COMPUTER SCIENCE**

SOFTWARE AGENT

Time: Three Hours Maximum: 50 Marks

SECTION-A (5 Marks)
Answer **ALL** questions
ALL questions carry **EQUAL** marks (5 x 1 = 5)

1 _____ is the degree of reasoning and learned behavior.
(i) Intelligence (ii) Mobility
(iii) Agency (iv) Mobile objects

2 _____ is a tool kit where children can build worlds populated by agents that they program themselves by demonstration and direct manipulation.
(i) Cocoa (ii) KidSim
(iii) M system (iv) both (i) & (ii)

3 _____ is a good example of e-commerce agent.
(i) Jango (ii) Bargain
(iii) Froogle (iv) Lycos

4 An agent that is able by itself to acquire and maintain its knowledge is called a _____.
(i) Intelligent Agent (ii) Information Agent
(iii) Learning Agent (iv) knowledge agent

5 The _____ shell was designed to facilitate the development of intelligent agents for a large variety of domains.
(i) Borne (ii) Korn
(iii) C (iv) Disciple

SECTION - B (15 Marks)
Answer **ALL** Questions
ALL Questions Carry **EQUAL** Marks (5 x 3 = 15)

6 a State the characteristics of agents.
OR
b Discuss the advantages of agent oriented approach.

7 a Discuss the role of agents in learning technology.
OR
b State the characteristics of information agents.

8 a Explain the behaviour of intelligent agents.
OR
b Discuss the agent types in deductive reasoning agents.

9 a Differentiate intelligent agents and knowledge agents.
OR
b Outline the aims and principles of knowledge elicitation.

10 a Discuss the architecture of disciple shell.
OR
b Explain the interaction of expert agents during the rule refining process.

Cont...

SECTION -C (30 Marks)

Answer **ALL** questions

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

11 a Elucidate the user interface problems.

OR

b Discuss the various roles that agents may play in an agent enabled system architecture.

12 a Discuss the role of agents in information sharing & coordination.

OR

b Explain the requirements for agent communication language.

13 a Analyze the intention in practical reasoning agent.

OR

b Analyze any two applications of agents.

14 a Explain the main knowledge acquisition and machine learning approaches for building intelligent agents.

OR

b Analyze generalization rules.

15 a Explain the methodology for building intelligent agents.

OR

b Explain the procedure followed in the assessment of student's understanding and higher order thinking skills in history subject.

Z-Z-Z

END