



SNS COLLEGE OF ENGINEERING
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AN AUTONOMOUS INSTITUTION



Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE
PUZZLE QUESTION

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TOPIC: UNIT 1-INTELLIGENT AGENTS

QUESTION

- 1. Agent Self-Awareness: Imagine an intelligent agent that is aware of its own internal state and environment. What additional challenges does this self-awareness introduce compared to a simple reflex agent?**
- 2. Multi-Agent Coordination: If you have multiple agents working in the same environment, what is a key challenge they face in coordinating their actions?**
- 3. Goal Conflict: In a scenario where an agent has multiple goals, how might conflicting goals affect its decision-making process?**
- 4. Adaptive Learning: How might an intelligent agent use adaptive learning to improve its performance over time, and what kind of feedback might it rely on?**
- 5. Ethical Dilemmas: How should an intelligent agent handle an ethical dilemma where its actions could lead to harm, even if those actions are aligned with its primary goal?**
- 6. Complex Environments: How would an intelligent agent approach decision-making in an environment with high uncertainty and incomplete information?**
- 7. Dynamic Environments: How can an agent adapt its strategies when operating in a dynamic environment where the rules or conditions change over time?**
- 8. Simulated Agents: In simulations where agents interact with virtual environments, how might the agent's performance differ from real-world scenarios, and what could be the implications for AI research?**
- 9. Agent Motivation: How can an agent be designed to maintain motivation and avoid becoming inactive or losing focus, especially in long-term tasks?**
- 10. Human-AI Interaction: How should an intelligent agent be designed to effectively collaborate with human users, considering differences in perception, decision-making, and communication styles?**