

UNIT 10: AI QUESTIONNAIRE

1. **What type of reasoning compares similar problems?**
 - a) Model-based reasoning
 - b) Heuristic reasoning
 - c) Case-based reasoning
 - d) Algorithmic reasoning
2. **According to the text, what problem do algorithms have?**
 - a) They are too complex
 - b) They are not always right
 - c) They cannot perform calculations
 - d) They always follow the same rules
3. **What is mentioned as an advantage of heuristics compared to regular algorithms?**
 - A) They perform faster calculations
 - b) They follow rigid guidelines
 - c) They search for acceptable solutions
 - d) They are more difficult to implement
4. **Which technology has advanced to allow robots to find solutions independently?**
 - a) Case-based reasoning
 - b) Algorithms
 - c) Machine learning
 - d) Computer vision
5. **What is the impact of pattern recognition according to the text?**
 - a) It has allowed robots to learn faster
 - b) It has made computer vision possible
 - c) It has replaced traditional algorithms
 - d) It has limited the use of heuristics
6. **What is a possible future invention mentioned in the article?**
 - a) A robot that can think like a human
 - b) An algorithm that is always correct
 - c) A computer capable of learning on its own
 - d) A case-based system that surpasses heuristics