

- Q. 1 Define AI? Write its applications.
- Q. 2 Discuss History of AI.
- Q. 3 Define intelligent agent? How it works in AI.
- Q. 4 Explain the knowledge base system in AI.
- Q. 5 What are the various knowledge representation techniques? Explain.
- Q. 6 Differentiate between programming and AI programming languages.
- Q. 7 Define algorithm? Define with time and space complexity
- Q. 8 Differentiate between uninformed and informed search techniques.
- Q. 9 Explain the BFS algorithm with its disadvantages.
- Q.10 Define graph colouring technique with suitable example
- Q. 11 Describe A* algorithm with example.
- Q. 12 How to convert first order propositional logic to predicate logic? Explain with examples.
- Q. 13 Explain the clausal form or CNF with any 5 examples.
- Q. 14. Define natural language processing.
- Q. 15 What are the steps in Natural language processing?
- Q. 16 What is grammar? Explain with its type.
- Q. 17 Write the hierarchy of different parsing techniques.
- Q. 18 Define machine learning technique.