Question Bank

Part – A

1. Define Artificial Intelligence .
2. types of Agents in Artificial Intelligence?
3. two applications of Artificial Intelligence
4. terminologies used in problem formulation?
5. How Knowledge Base is efficient in Artificial Intelligence?
6. the properties of Operators.
7. Define First Order Logic.
8. What are the two types of Propositions?
9. How will you attain goal state from initial state? Mention the steps.
10. Define State Space Search.
11. Mention any two real world examples of POP algorithms
12. What are the preconditions and effects for Spare Tire Problem?
13. Why Decision Theory is applied in planning?
14. Mention any four differences between Reinforcement
15. Learning and Unsupervised learning.
16. Mention any four differences between Reinforcement learning and Unsupervised learning.
17. Define Inductive Learning with an example.
18. How Expert system useful in Artificial Intelligence?
19. Write two examples of Expert System in Artificial Intelligence.
20. What is an Expert system?
21. Who are the participants of Expert System?

Part – B

1. Explain in detail about types of Problem in Artificial Intelligence
2. Explain in detail about
      a) Depth First Search
      b) Depth Limited Search
3. Explain in detail about types of Problem in Artificial Intelligence
4. Explain in detail about uninformed search algorithm with example.
5. Discuss Forward chaining and Backward Chaining in detail.
6. Discuss Propositional Logic in detail with an example.
7. Draw and explain the Architecture diagram of Knowledge- based agent
8. Discuss Wumpus World problem in detail.
9. Define STRIPS algorithm. Explain with any two real world examples.
10. Describe Partial Order Planning with suitable examples.
11. Discuss Forward search and Backward Search with suitable example.
12. Discuss planning and acting in the real world with two examples.
13. How could we apply the learning process in a decision tree?
14. Discuss Any four types of Learning methods in Artificial Intelligence
15. Why observation is important in learning? Discuss the types of Learning from observation?
16. Discuss in detail about Explanation based Learning methods in Artificial Intelligence
17. Discuss about components of an Expert system with detailed diagram.
18. What are the basic activities of expert system and the areas to solve problems?
19. Discuss in detail about the role of Humans in Expert System?
20. Explain the features of good expert system.