

**T.E.(Computer Engineering)**  
**ARTIFICIAL INTELLIGENCE**  
**(2019Pattern) (Semester-VI)**

1. State and Explain the local consistency in CSP.
2. Explain with suitable diagram game tree for tic-tac-toe.
3. What is backtracking search? Explain in brief.
4. Solve the following problem  
1) FORTY + TEN + TEN = SIXTY      2) SEND + MORE = MONEY
5. Explain in brief Logical agents and Knowledge-Based Agents.
6. Write short note on Horn clauses and Definite clauses.
7. Explain in brief PEAS description of wumpus world.
8. Write short note on 1) Alpha-Beta tree search 2) Monte Carlo tree search.
9. State and Explain the Quantifier.
10. Explain the category and object in knowledge representation.
11. Write short note on the use of Planning Domain Description Language (PDDL).
12. Explain air cargo transport example using STRIPS language.