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| **P.V.P Siddhartha Institute of Technology** |
| **Department of Computer Science and Engineering** |
| **Course: B. Tech** | **Year: III** | **Semester: I** | **Descriptive: II** | **A.Y:2024-2025** |
| **Subject Code: 20CS4501D**  | **Subject Name: ARTIFICIAL INTELLIGENCE**  | **Regulation:PVP20** |
| **Duration: 1 hr 30 min**  | **Maximum Marks: 15 Marks** | **Date: 24-10-2024** | **Session: F.N**  |
| **Answer all the Questions. Each Question carries 5 Marks 3×5M=15M** |
| **Q. No** |  | **Marks** | **CO** | **Level** |
|  | (a) | Discuss the forward-chaining algorithm for propositional logic. | 2 | CO2 | L2 |
|  (b) | Explain in detail about Unification algorithm with suitable example.  | 3 | CO2 | L2 |
|  | Why multi agent planning is needed? Explain this technique with an example. | 5 | CO3 | L3 |
|  | Explain about Learning decision trees with an example.  | 5 | CO3 | L2 |