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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 |