St. xavier’S college

Maitighar, Kathmandu

Subject: Artificial Intelligence

**T.U. Regd. No. - …………………………………………Class Roll No.………………..**

**Name of Student - ……………………………………….Year/Sem……………………..**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S.No.** | **Title** | **Final Submission Date** | **Signature** | **Remarks** |
| 1. | Write a program to implement simple reflex agent . |  |  |  |
| 2. | Write a program to implement production rules for sorting string cbacba  Production rules |  |  |  |
| 3. | Implement water jug problem for the convenient input and output goal. |  |  |  |
| 4. | Implement Breadth First Search (uninformed search Algorithm) using any programming language. |  |  |  |
| 5. | Implement Depth First search (Uninformed search Algorithm) using Any programming Language. |  |  |  |
| 6. | Write a prolog program to trace path in the given graph. |  |  |  |
| 7. | Write a program to implement greedy best first search algorithm(heuristic search algorithm) using any programming language.. |  |  |  |
| 8. | Implement A\* algorithm (heuristic search technique) for given graph using any programming language. |  |  |  |