Code No: A0611
JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
M.TECH I SEMESTER EXAMINATIONS, APRIL/MAY-2012
ARTIFICIAL INTELLIGENCE
(DIGITAL SYSTEMS & COMPUTER ELECTRONICS)
Time: 3hours **Max.Marks:60**
Answer any five questions
All questions carry equal marks
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1.a) Explain about Intelligent agents and environments.
 b) Explain A* search technique.

2. Explain uniformed search techniques and explain BFS with examples.

3.a) Explain Hill climbing with examples.
 b) What is constraint satisfaction problem? Explain Backtracking search for CSP's.

4.a) Explain about minconflicts algorithm.
 b) Explain about Alpha Beta pruning.

5.a) Explain rules for converting statements into CNF.
 b) State and explain unification algorithm.

6.a) Explain about prepositional Logic.
 b) Compare forward and backward chaining algorithms.

7.a) What is planning? Explain graph plan algorithm.
 b) What is learning? Explain different learning techniques.

8.a) Write and explain about different statistical learning methods.
 b) Explain about EM algorithm.

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