JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
M.TECH II - SEMESTER EXAMINATIONS, APRIL/MAY 2012
ARTIFICIAL INTELLIGENCE
(DIGITAL SYSTEMS AND COMPUTER ELECTRONICS)
Time: 3hours   Max. Marks: 60
Answer any five questions
All questions carry equal marks
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1.   What is Software Agent? Give the structure of Agents and explain its components.

2.   Write A* Algorithm and apply it on 8-Puzzle problem.

3.   Describe Local search algorithms.

4.   Write Minimax algorithm and explain with example.

5.   Explain forward & backward chaining with examples.

6.   Explain knowledge-based agents with examples.

7.   Explain partial order planning graphs with examples.

8.   Define neural net and describe AI applications of neural networks.

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