

SYED AMMAL ENGINEERING COLLEGE

B.E / B.Tech Degree Examination – Periodical Test-I

(COMMON TO III CSE A & B)

10144CS602-ARTIFICIAL INTELLIGENCE

Time: 2 Periods

Maximum: 50 Marks

Date of Exam: 5-2-12

Answer All Questions

PART- A (5 x 2 = 10)

1. Define “Artificial Intelligence”.
2. Define i) Agent ii) Problem Solving Agent.
3. Give the PEAS description of “TAXI DRIVER”.
4. How to avoid Repeated States?
5. How to measure Problem Solving Performance?

PART-B (2 ½ *16=40)

6. a] What are the main approaches in Artificial Intelligence? (8)
(Or)
b] Explain about the Real World Problems in AI (8)
- 7.a] Explain briefly about different types of agent with an example. (16)
(Or)
b] i) What are the good behavior of an agent? (8)
ii) Explain in details about A* Search. (8)
- 8.a] Explain briefly about Blind Search Techniques with an e.g for each search (16)
(Or)
b] Write briefly about Constraint Satisfaction Problem. (16)