

Reg No.

BECS 62

SYED AMMAL ENGINEERING COLLEGE

Periodical Test-II

10144CS601 – ARTIFICIAL INTELLIGENCE

Time: **9.00 to 10.40 am**

Maximum: **50 Marks**

Date of Exam: 05-03-13

Class: **III BE-CSE**

Answer All Questions

PART- A (5 x 2 = 10)

1. Define FOL?
2. Difference between universal and existential Quantifiers?
3. Define Inference.
4. Define WFF with an Example?
5. What is mean by Subsumption Method?

PART B (2 ½ * 16 = 40)

6. a) Explain about the Knowledge engineering in FOL for Electronic Circuits domain. (8)

(Or)

- b) Discuss the Logical Agents of Wumpus World Problem (8)

7. a) Explain Forward Chaining Algorithm with Example (16)

(Or)

- b) Explain Backward Chaining Algorithm with Example (16)

7. a) Explains about Unification algorithm and its Concepts(16)

(Or)

- b) i) CNF for First Order Logic in Resolution (4)
ii) Write Short Notes on Resolution Inference Rule with Examples (8)
iii) Write Short Notes on Completeness of Resolution (4)

(ALL THE BEST)