

IV B.Tech I Semester Supplementary Examinations, April/May 2005
ARTIFICIAL INTELLIGENCE & EXPERT SYSTEMS
(Computer Science & Systems Engineering)

Time: 3 hours

Max Marks: 80

Answer any FIVE Questions
All Questions carry equal marks

1. Describe Weak methods?
2. (a) Describe Forward and Backward reasoning methods?
(b) Describe Nonmonotonic reasoning?
3. (a) What is Fuzzy logic and explain about semantic Nets?
(b) Describe a method for Keyword matching?
4. (a) Explain what Features make understanding Hard?
(b) Describe various schemas and scripts in understanding?
5. (a) Describe important characteristics of AI languages?
(b) What are the various components of an AI program?
6. (a) What is Learning Perception? Describe it?
(b) Describe how AI Techniques are useful in Robotics?
7. Describe structure of an expert system?
8. Write short notes on the following:
 - (a) Control strategies
 - (b) Conceptual dependency
 - (c) Applications of AI.
