

OCTOBER 2012

P/ID 17423/RTD

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Time : Three hours

Maximum : 75 marks

PART A — (5 × 5 = 25 marks)

Answer ALL questions.

1. (a) Give a note on production systems.

Or

(b) Write short notes on Hill climbing techniques.

2. (a) Write a note on knowledge based system.

Or

(b) Write down the Minimum Procedure alpha beta pruning.

3. (a) Discuss on various stages in developing Expert System.

Or

(b) Describe Frames.

4. (a) Write short notes on backward chaining.

Or

- (b) Describe Fuzzy logic.

5. (a) Describe Natural language processing.

Or

- (b) Write about Perception.

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

6. Write down the AO\* algorithm and describe the problem production functions.
7. Explain the Predicate Calculus Answer Extraction.
8. Discuss on Knowledge Inference techniques.
9. Write short notes on:
- (a) Semanticness
- (b) Scripts.
10. Explain Knowledge Acquisition Techniques.

11. Discuss on:
    - (a) Meta Knowledge.
    - (b) Fuzzy Reasoning.
  12. Describe the Discourse and Pragmatic processing.
  13. What is learning? How to learn in Neural Networks? Explain.
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