

MAY 2013

P/ID 17423/RTD

Time : Three hours

Maximum : 75 marks

PART A — (5 × 5 = 25 marks)

Answer ALL questions.

All questions carry equal marks.

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

Or

(b) Write short notes on Search strategies.

2. (a) Write short notes on Game playing.

Or

(b) Give a note on predicate calculus.

3. (a) Explain Semantics.

Or

(b) Write short notes on Expert system.

4. (a) Explain Forward chaining rule system.

Or

(b) Write short notes on Fuzzy logic.

5. (a) What is meant by Perception?

Or

(b) Give a note on DENDRAL.

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

All questions carry equal marks.

6. Explain A^* algorithm with an example.
7. Discuss Minimax search procedure with an example.
8. Explain Knowledge inference technique.
9. What are the various stages in Expert system development cycle?
10. What are the factors to be considered while building expert system?
11. Explain Knowledge acquisition.
12. What are the tools needed for developing an Expert system?
13. Discuss the various applications of AI.