

Total No. of Pages: 1

7276

Register Number:

Name of the Candidate:

M.C.A. DEGREE EXAMINATION, May 2015

(FOURTH SEMESTER)

453. ARTIFICIAL INTELLIGENCE

ELECTIVE-I

Time: Three hours

Maximum: 100 marks

SECTION -A

(8 × 5 = 40)

Answer any EIGHT questions

1. Discuss DFS and BFS in detail.
2. What is alpha-beta pruning? Explain.
3. Explain about knowledge representation issues.
4. What is conceptual dependency? Explain.
5. Explain Dempster shafer theory.
6. Write about temporal reasoning.
7. What is learning? Explain with an example.
8. What is meant by planning? Explain.
9. Write short notes on knowledge acquisition concepts.
10. Explain the current trends in Intelligence.

SECTION -B

(3 × 20 = 60)

Answer any THREE questions

11. With an example explain AO* algorithm
 12. Discuss about structured representation and semantic nets.
 13. Discuss different reasoning methods in detail.
 14. Explain in detail about explanation based learning.
 15. Write in detail about rule based and non-production system architecture.
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