

DECEMBER 2014

**P/ID 17528/PCE10**

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Time : Three hours

Maximum : 100 marks

PART A — (6 × 5 = 30 marks)

Answer any SIX questions.

1. Write a short note on foundations of AI.
2. What are the extensions and notational variations? Give a note.
3. Write a short note on knowledge engineering for planning.
4. What are the two types of learning in unknown environment? Give a note on them.
5. Write about decision networks.
6. How to design electronic circuit domain? Describe.
7. Write a short note on ambiguity.
8. How to formulate problems in AI? Give a note.

PART B — (7 × 10 = 70 marks)

Answer any SEVEN questions.

9. Explain Best-First search.
10. What are the basic representations for planning? Describe them.

11. Explain syntax and semantics.
  12. What are Neural Networks? Explain the applications of Neural Networks.
  13. Discuss on :
    - (a) Memory bounded search,
    - (b) iterative improvement algorithms.
  14. How to extract 3-D information using vision? Explain.
  15. What are the General Model of Learning Agents? Explain.
  16. Explain Bayesian Belief Networks.
  17. Explain the concept of Semantic Interpretation.
  18. Explain Bayes' Rule and its uses.
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