

DECEMBER 2015

**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 about the History of Artificial Intelligence.
2. What are the properties of good and bad knowledge basis of AI? Give a note.
3. List out the basic probability notations? Write about them.
4. Give a note on learning general logical descriptions.
5. What are the formal subsets of English grammar? Give a note.
6. How to formulate problems in AI? Give a note.
7. Write a short note on forward and backward chaining algorithm.
8. Give a note on knowledge engineering for planning.

PART B — (7 × 10 = 70 marks)

Answer any SEVEN questions.

9. What are the search strategies of AI? Explain them.
  10. Explain frame systems and semantic networks.
  11. Illustrate Belief networks.
  12. What are the practical applications of natural language processing? Describe them.
  13. Explain Bayesian Belief Networks.
  14. What are Neural Networks? Explain the applications of Neural Networks.
  15. Explain utility and multi attribute utility.
  16. What are the basic representations for planning? Describe them.
  17. What are the General Models of Learning Agents? Explain.
  18. Explain syntax and semantics.
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