AM/CSE 214 (R-22)

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II/IV B. Tech. DEGREE EXAMINATIONS, AUGUST - 2024

First Semester

AM / CSE

INTRODUCTION TO ARTIFICIAL INTELLIGENCE

Time : **Three Hours** Maximum : **70** Marks

Answer ONE Question from each Unit. 5x14=70 M

All Questions carry equal marks.

UNIT - I

1. a) What is AI ? Explain its applications ?

   b) Explain briefly about history of AI.

(OR)

2. Explain structure of Agents.

UNIT - II

3. Explain Best first search algorithm.

(OR)

4. How to solve problems by searching. Explain briefly.

UNIT - III

5. Explain about representing simple facts in logic.

(OR)

6. Enumerate the rule of natural deduction system ?

UNIT - IV

7. Discuss about procedural vs declarative knowledge.

P.T.O.

(OR)

8. Explain syntax and semantics in first order logic.

UNIT - V

9. Explain propositional vs first order inference ?

(OR)

10. What is non-monotonic reasoning and explain logics for non-monotonic reasoning.