

Roll No.

Total Pages : 02

BT-7/D-14

8725

ARTIFICIAL INTELLIGENCE

IT-473

Time : Three Hours]

[Maximum Marks : 100

Note : Attempt any Five questions. All questions carry equal marks.

Unit I

- 1. What is the foundation of AI ? Give introduction to LISP. 20
- 2. What is the concept of problem spaces and problem search ? Explain various blind search strategies. 20

Unit II

- 3. What are predicate logics ? Explain rule based deduction systems. 20
- 4. Explain Dampster Shafter theory. Also explain fuzzy reasoning. 20

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Unit III

- 5. What is Planning ? Explain learning by analogy. 20
- 6. What are Genetic algorithms ? Explain. 20

Unit IV

- 7. What is an Expert System ? Explain different knowledge acquisition concepts. 20
- 8. What is the principle of NLP ? Explain the current trends in Intelligent Systems. 20

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