MS 4E 33 (NS)

IV Semester M.Sc. (I.T.) Examination, June/July 2010
ARTIFICIAL INTELLIGENCE

Time : 3 Hours

Max. Marks : 75

PART – A

Answer the following : **(12×2+1×1=25)**

1. What is Artificial Intelligence ?

2. What are the tasks of A.I. ?

3. What we can do with A.I. ?

4. What are A.I. Techniques ?

5. What are the properties for knowledge representation system ?

6. What is the propositional logic ?

7. What is truth table ?

8. What is Semantic Network ?

9. What do you mean by conceptual dependencies ?

10. What do you mean water container problem ?

11. What is learning ?

12. What is Expert system ?

13. Define Fuzzy logic.

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PART – B

Answer **any five** :   **(5×10=50)**

1. Discuss the applications of knowledge in A.I.

2. Explain the advantages and disadvantages of procedural Vs Declarative Knowledge.

3. Explain with suitable example construction of complex propositions.

4. Explain with suitable example conceptual graphs.

5. Explain Breadth - First Search Algorithm.

6. Discuss the applications areas of Expert system.

7. Compare and contrast the conventional Vs Expert system.

8. Explain in detail neural networks and parallel computation.

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