BOARD DIPLOMA EXAMINATION

MID-II

ARTIFICAL INTELLIGENCE

For Final Year Computer Science

Time : 1 : 00 Hour   Max. Marks : 20

PART-A   4 × 1 = 4

Note : Answer **all** questions and each question carries **One** marks.

1. Define conditional probability.
2. State uncertain evidence.
3. Define learning.
4. Define decision tree.

PART-B   2 × 3 = 6

Note : Answer any **Two** questions and each question carries **Three** marks.

5. (a) List the difficulties in reasoning with uncertain information.

      (or)

   (b) State uncertain evidence.

6. (a) List the advantages of decision tree.

      (or)

   (b) State inductive learning with example.

PART-C   2 × 5 = 10

Note : Answer **Two** questions and each question carries **Five** marks.

7. (a) Explain about probabilistic inference in polytrees.

      (or)

   (b) Explain about Bayes network

8. (a) Explain about Decision tree learning algorithm with example.

      (or)

   (b) Explain about forms of learning.