1. What do you mean by well-posed learning problem? Explain with example. (Unit-1)
2. Explain the working of the Candidate-Elimination algorithm taking enjoy sport concept and training instance given below: (Unit-1)



1. Define Decision Tree learning. Explain the decision tree learning algorithm with an example. (Unit-2)
2. Consider the following set of training examples:



a. What is the entropy of this collection of training examples with respect to the

target function classification?

b. What is the information gain of a2 relative to these training examples?

1. Explain the basic definitions of Sampling theory. (Unit-3)
2. Write short notes on the following: (Unit-3)
   1. Binomial Distribution
   2. Estimating Hypothesis accuracy