UNIT - II

2 (a) What is the syntatic form and usage of fact and rule statements in prolog.

8

   (b) Explain merits and demerits of prolog ?

8

OR

2 (a) Explain how a query is processed in prolog ?

8

   (b) Explain strength, application and weakness of prolog ?

8

UNIT - III

3 (a) What are the data structure in prolog ?

8

   (b) Write the difference between DFS and DFID ?

8

OR

3 (a) Explain the representation and implementation of state space in prolog ?

8

   (b) Explain the following predicates with suitable example :
        (i)   CUT predicate
        (ii) Fail predicate
        (iii) NOT predicate

8

UNIT - IV

4 (a) Give comparison between functional and imperative language.

8

   (b) Explain α, β and η conversions with example.

8

OR