

14. a) Write short notes on the

- i) Learning by Parameter Adjustment. (4)
- ii) Learning with Macro-Operators. (4)
- iii) Learning by Chunking. (5)

(OR)

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- b) i) Write down STRIPS-style operators that corresponds to the following blocks world description. (8)

A	ON(A,B,S0) ^ ONTABLE(B,S0) ^
B	CLEAR(A,S0)

- ii) Write short notes on Nonlinear Planning using Constraint Posting. (5)

15. a) Explain the following expert systems :

- i) MYCIN. (7)
- ii) DART. (6)

(OR)

b) Explain the expert system architectures :

- i) Rule-based system architecture. (4)
- ii) Associative or Semantic Network Architecture. (3)
- iii) Network architecture. (3)
- iv) Blackboard System Architectures. (3)

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PART - C

(1×15=15 Marks)

16. a) Design an expert system for Travel recommendation and discuss its roles.

(OR)

- b) Analyse any two machine learning algorithms with an example.

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