

(3 hours)

Total 80

First Question is compulsory and attempts any three questions among remaining.

Q1

- a) Explain the PEAS representation with example -10-
- b) Explain Model based reflex agents and goal based agents -10-

Q3

- a) Explain A \* algorithm with example -10-
- b) Explain Depth First Iterative deepening (DFID) -10-

Q3

- a) Explain Stock price prediction using suitable model for learning, training and testing. -10-
- b) What is propositional Logic? Compare Forward and backward chaining algorithm. -10-

Q4

- a) Explain the Support Vector Machine as deterministic model. -10-
- b). Single Layer Feed Forward algorithm. -10-

Q5.

- A) Explain back propagation algorithm. -10-
- b). Explain Hill Climbing algorithm with application. -10-

Q6.

- Write short note on -20
- a. Reinforcement Learning
- b. HMM

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