

What are limitations of inference machines? Explain.

b) Write a note on :

a)

- i) Approximation & Estimation Errors.
- ii) Hypothesis class.

OR

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- 8. a) Explain K-nearest neighbour algorithm with example.
 - b) Describe sample complexity in detail.
- 9. a) Explain the importance & applications of support vector machine.
 - b) What is structural risk minimization? Explain in detail.

OR

- **10.** a) Explain the importance of maximal margin classifier.
 - b) Explain the concept of finite covering with suitable explanation.
- **11.** a) What is model based learning? Explain it's importance.
 - b) Describe the process of Occam's learning in detail.

OR

- **12.** a) Write a note on :
 - i) Value Iteration.ii) Eligibility Traces.
 - b) Explain the concept of Reinforcement learning with suitable example.

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