

OR

- 8 Describe maximum likelihood hypotheses for predicting probabilities. a. (05 Marks)
 - Define Bayesian belief networks. Explain with an example. b. (06 Marks) Explain EM algorithm. c. (05 Marks)

Module

- Define the following with examples: a. iii) Mean i) Sample error ii) True error iv) Variance (08 Marks) b. (04 Marks)
 - Explain central limit Theorem.
 - Explain K-Nearest neighbor algorithm. c.

OR

Explain case-based reasoning. 10 a.

9

- b. List and explain important differences of reinforcement algorithm with other function approximation tasks. (04 Marks)
- Explain Q Learning Algorithm. c.

(06 Marks)

(04 Marks)