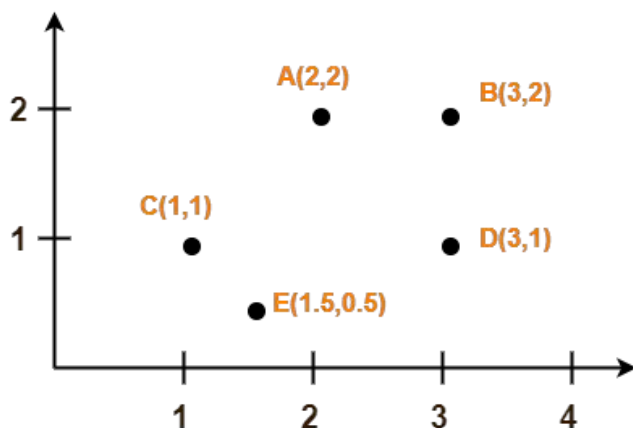


ASSIGNMENT-1

Subject/ Subject Code	Semester/ Branch	Issue Date	Due Date
Artificial Intelligence / 01CE0702	7 th – C.E(FOT1-MU)	13-10-2023	20-10-2023

- Write a short note on different types of Agents and Environment.
- Define Conceptual Graph. Explain with an example
- Explain in detail forward and Backward chaining with example
- Compare the following:
 - Min Max and Alpha Beta Pruning
 - Propositional Logic and Predicate Logic
- Explain the following Terms:
 - Deterministic Game
 - Non-Deterministic Game
 - Zero Sum game
 - Game Tree
- What is Block World Problem, explain using an example
- What is ANN? What are the advantages and disadvantages of ANN? What is simple Artificial Neuron
- Explain in detail Iterative Deepening Algorithm using an example
- Explain the terms:
 - Semantic Net
 - Frames.
 - Scripts
 - CYC
 - Conceptual Dependency
- Explain K means Clustering Algorithm? In the given graph five points are plotted. Use K-Means Algorithm to create two clusters-



- 11.** What is prolog language? What are the features of Prolog? Why prolog is known as procedural language
- 12.** Explain in detail KNN algorithm in detail. Why KNN algorithm is used in Machine learning?