

SECTION-B

2. How are entropy, information gain and Ginni index used in decision trees? “*Entropy measures homogeneity of examples.*” Comment.
3. Explain the Support Vector Machine algorithm with the help of an example. How is SVM used to classify non-linearly separated data?
4. Explain the machine learning process with the help of a diagram. Present any two use cases of machine learning in real life.
5. What are the various types of machine learning based classification algorithms? Explain the algorithm of Naive Bayes classifier in detail.
6. What is reinforcement learning? How it is different from other approaches of machine learning? Discuss the Maricov Decision Process in detail.
7. Explain the working of hierarchical clustering. How it is different from density based and partitioning based clustering techniques?

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.