

ALAGAPPA UNIVERSTIY STUDY CENTRE TUTICORIN

2nd SEM ASSIGNMENT QUESTION

INTERNAL MARK: 25 / PER SUBJECT

DIPLOMA IN ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

51821 - FUNDAMENTALS OF MACHINE LEARNING

1. Differentiate Machine Learning with Artificial Intelligence ?
2. What are the various methods used in cross validation?
3. Explain the concept of Cluster Analysis.
4. Explain about Reinforcement Learning.
5. Describe hierarchical clustering in detail.

51822 - PRINCIPLES OF SOFT COMPUTING

1. State the difference between unsupervised and supervised learning.
2. Explain the operating principle of Adaptive Resonance Theory.
3. Explain the basic properties of fuzzy set
4. Describe the basic concepts of Genetic Algorithm.
5. Discuss the classification of Genetic Algorithm.

51823 - PYTHON PROGRAMMING

1. Illustrate Break and Continue statement with example.
2. Differentiate UDF and Library functions
3. Illuminate the following list functions. (i) len() (ii) sum() (iii) any() (iv) all() (v) sorted()
4. Discuss sorting. Mention its types.
5. Explicate types of operators in python with appropriate example

51824 - MACHINE LEARNING USING PYTHON LAB

1. To understand why Python is a useful scripting language for developers
2. To learn how to build and package Python modules for reusability
3. To learn how to read and write files in Python