

NETTUR TECHNICAL TRAINING FOUNDATION
DIPLOMA IN INFORMATION TECHNOLOGY & DATA SCIENCE-CP09
III SEMESTER REGULAR & SUPPLEMENTARY EXAMINATION-JAN 2023

Subject: Artificial Intelligence
Subject Code: CP09320T

Total Time: 2 Hr.
Total Marks: 50 marks

PART B

1.0 ANSWER ANY EIGHT OF THE FOLLOWING **2*8=16**

- 1.1 What is String in python?
- 1.2 What is traditional programming?
- 1.3 Write the advantages of decision tree
- 1.4 What is the use of scikit learn library?
- 1.5 What are the different types of SVM Modeling?
- 1.6 What is data exploration in machine learning?
- 1.7 Write the difference between machine learning and deep learning
- 1.8 What is Artificial Neural Network?
- 1.9 Define ASR
- 1.10 What is training data in ML algorithms?

2.0 ANSWER ANY SIX OF THE FOLLOWING **3*6=18**

- 2.1 Define: a) Data b) Information c) Knowledge
- 2.2 What are the types of operators in python?
- 2.3 Explain the use of pandas package in python with example
- 2.4 List out the applications & key elements of machine learning
- 2.5 Define the relationship between AI,ML and DL.
- 2.6 Explain visualization with example program
- 2.7 Explain the pros and cons of decision tree algorithm
- 2.8 Why python language is preferred for ML algorithm?

3.0 ANSWER ANY FOUR OF THE FOLLOWING **4*4=16**

- 3.1 What is the use of Matplotlib package in python with example?
- 3.2 Explain the types of machine learning with example
- 3.3 Explain Pseudocode of KNN.
- 3.4 Explain SVM algorithm with flowchart.
- 3.5 Explain any four libraries used in ML with example
- 3.6 Explain the classifications of algorithm with example