

SHRIMATHI DEVKUNVAR NANALAL BHATT VAISHNAV COLLEGE FOR WOMEN  
(AUTONOMOUS)

(Affiliated to the University of Madras and Re-accredited with 'A+' Grade by NAAC)

Chromepet, Chennai - 600 044.

B.C.A - END SEMESTER EXAMINATIONS - NOV'2024

SEMESTER - III

**23UACT3005 - Fundamentals of Machine Learning**

Total Duration : 2 Hrs.30 Mins.

Total Marks : 60

### **Section B**

Answer any **SIX** questions ( $6 \times 5 = 30$  Marks)

1. What is uses of Training & Test Data in ML? - Show how it will be done?
2. Describe about Reinforcement Learning.
3. Predict the Types of Cross Validation.
4. Explain the Methods of Row Comparison.
5. Define Regression Analysis and List out its Types.
6. Mention the Needs of Artificial Neural Networks in ML.
7. Illustrate - How the Decision Trees are used in ML?
8. Analyse the methods to import the data set in Python.

### **Section C**

Answer any **THREE** questions ( $3 \times 10 = 30$  Marks)

9. Describe the Categories of Machine Learning.
10. Predict the steps to perform One-Hot Encoding Technique in ML.
11. Analysis the steps in Polynomial Regression.
12. Identify the steps in K Nearest Neighbors Clustering Algorithm
13. Examine - How to split a Dataset into Train and Test Sets using Python?

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