M.M.Institute of Computer Technology & Business Management M.M.(Deemed to be University),Mullana	Assignment 01

Session:2026 (Even)	Class/Semester: BCA–6thSemester (DS2)
Subject Code: BCA-606	Subject Name: Machine Learning
Lecture:3	Tutorial:0

Max. Marks Theory:60	Max. Marks Sessional:40	Credits:3.0
Assigned Date:19-01- 2026	Submission Date: 27-01-2026	Evaluated/Distributed On:

Q.No.	Question	Marks	Remarks
1.	What is Machine Learning and why it is important?	01	
2.	Define Association?	01	
3.	What is Clustering?	01	
4.	What is CSV?	01	
5.	What is Feature Extraction?	01	
6.	What is missing data?	01	
7.	How do you evaluate the effectiveness of feature extraction?	02	
8.	Explain the difference between PCA and LDA.	02	
9.	Explain the types of Machine Learning with examples.	04	
10.	Mention Application & goals of Machine Learning.	04	
11.	Explain any 6 features of Machine Learning.	06	
12.	Differentiate Supervised/Unsupervised Learning and Reinforcement Learning.	06	

Assignment Outcome (AO):
- Learn about the introduction, data pre-processing and feature extraction techniques of ML.
- Describe and apply various visualization techniques on the dataset. Develop supervised and unsupervised learning techniques and to implement these to solve real life problems.

Course Outcome(CO): After completion of this course, student can:
- Understand about the basic learning algorithm and techniques of Machine Learning (ML).
- To develop the skills for selecting an algorithm and model parameters.
- To apply the for designing optimized machine learning algorithms.

Bloom's Taxonomy Level (BTL):
 1.Remembering   2. Understanding   3. Applying   4.Analyzing5.Evaluating6 .Creating

Question wise Mapping Matrix(withAO,CO,BTL)												
Q.No.	1	2	3	4	5	6	7	8	9	10	11	12
AONo.	1	1	1	1	1	1	1	1	2	1	1	2
CONo.	1	1	1	1	1	1	1	1	2	1	1	2
BTL	1	1	1	1	1	1	2	2	3	2	2	3
Marks	1	1	1	1	1	1	2	2	4	4	6	6

	Weightage(in%age)
AO	1:46%,2:54%
CO	1:46%,2:54%
BTL	1:40%,2:16%3:34%