

ANDHRA LOYOLA INSTITUTE OF ENGINEERING AND TECHNOLOGY
VIJAYAWADA-8

ACADEMIC YEAR: 2023-2024

YEAR: III B.TECH

Branch: CSE (Sec-1 &2)

SEMESTER: II

SUBJECT NAME: Machine Learning

Cognitive levels

L1– Remember, L2-Understanding, L3- Applying /Analyzing

Question – Bank

Unit-I

1.	Define Machine Learning. Why machine learning is important? Differentiate traditional programming vs machine learning?	10 M	L1,L2
2.	Discuss some applications of machine learning with examples.	10 M	L2
3.	Explain different perspectives and issues in machine learning.	10 M	L2
4.	What do you mean by well posed learning problem? Differentiate supervised, unsupervised and reinforcement learning?	10 M	L1,L2
5.	Differentiate Artificial Intelligence vs Deep Learning vs Machine Learning with Suitable Examples?	10 M	L2
6.	What is Statistical Learning? What is the objective of statistical learning?	10 M	L2
7.	How Regression and Classification are different? Explain in detail with real time examples?	10 M	L2
8.	How to estimate the loss function in statistical learning? Discuss how to assess model accuracy?	10 M	L2
9.	Define the terms over fitting and under fitting? How can we resolve these issues?	10 M	L2
10.	Describe bias and variance ? Explain Bias variance tradeoffs in statistical learning?	10 M	L2