MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY
(Autonomous Institution – UGC, Govt. of India)
III B.Tech II Semester Regular Examinations, May 2023
Artificial Intelligence & Machine Learning
(EEE, ME, ECE & AE)

Roll No										

Time: 3 hours   **Max. Marks: 70**

Note: This question paper Consists of 5 Sections. Answer **FIVE** Questions, Choosing ONE Question from each SECTION and each Question carries 14 marks.

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SECTION-I
1   Explain Breadth- First Search strategy with an example.   **[14M]**

OR

2   Explain A* Heuristic Search strategy with an example.   **[14M]**

SECTION-II
3   What is alpha-beta Pruning? How does alpha-beta pruning work?   **[14M]**

OR

4   Explain Bayes' Theorem with an example.   **[14M]**

SECTION-III
5   Explain Unsupervised Machine learning with an example.   **[14M]**

OR

6   Explain the steps to prepare data in Machine Learning.   **[14M]**

SECTION-IV
7   Explain SVM algorithm with an example   **[14M]**

OR

8   Differentiate between Linear and Logistic Regression with an example.   **[14M]**

SECTION-V
9   What is K-Means Clustering? Explain the steps of k-Means Clustering   **[14M]**
    Algorithm

OR

10 Compare K-Nearest neighbour algorithm in Machine Learning with an   **[14M]**
    example..

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