

2025

M.Tech. 1st Semester Examination
COMPUTER SCIENCE WITH AI

Paper : MCIC406X9

[Artificial Intelligence Lab]

(Practical)

Full Marks : 25

Time : Two Hours

The figures in the margin indicate full marks.
Candidates are required to give their answers
in their own words as far as practicable.

Answer any *one* question on a lottery basis :

20×1=20

1. Write a prolog program to reverse a given string.
(CO1)

2. Write a prolog program to check whether a given string
is palindrome or not. (CO1)

(2)

3. Write a prolog program to insert an element at the end of the list. (CO1)
4. Write a prolog program to check whether an element is present in a list or not. (CO1)
5. Write a prolog program to delete an element from the end of the list. (CO1)
6. Write a prolog program to delete all occurrence of an element in a list. (CO1)
7. Write a prolog program to sort a given list. (CO1)
8. Write a prolog program to find the sum of all elements in a list. (CO1)

(3)

9. Write a prolog program to find the maximum in a list.
(CO1)

10. Write a prolog program to find the minimum in a list.
(CO1)

11. Viva-voce 5
