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.Sc. END SEMESTER EXAMINATIONS NOVEMBER-2022
SEMESTER - I
**22UAICT1001 - Introduction to Artificial Intelligence**

Total Duration : 2 Hrs 30 Mins.                    Total Marks  : 60

## Section A

### Answer any **SIX** questions  $(6 \times 5 = 30 \text{ Marks})$

1. Write about Turing test and Chatter bots.

2. Describe the concepts of natural language processing to logical notation.

3. Explain semantics in Propositional logic.

4. Write about equality and unification in Prolog.

5. Illustrate the steps for resolution with an example.

6. Explain the FOL inference rule for Quantifier.

7. Discuss the common uses of cut.

8. Elaborate the backtracking with suitable example.

## Section B

### Answer any **THREE** questions  $(3 \times 10 = 30 \text{ Marks})$

9. Write a brief note on AI and society.

10. Explain tautology & Contradiction in detail.

11. Determine the unification algorithm with an example.

12. Briefly write a note on Prolog Syntax.

13. Determine the recursive comparison in detail.

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