# VIDYASAGAR UNIVERSITY

## M.Sc. Examinations 2020
## Semester IV
## Subject: COMPUTER SCIENCE
## Paper: COS- 401
### (Theory)

**Full Marks: 40**                                  **Time: 2hrs.**

*Candidates are required to give their answers in their own words as far as practicable.*

*Answer any one of the following questions*

Theory

**Paper : 401 (Artificial Intelligence)**

1. Write a short Note on A* algorithm.

2. Critically compare between uninformed search and informed search.

3. Write a short Note on minimax algorithm.

4. What is uninformed search? Discuss different types of uninformed search techniques.

5. Discuss briefly about genetic algorithms.

6. Write short note on uniform cost search.

7. Discuss about best first search.

8. What connectives are used in propositional logic? Explain each of them.

9. Explain universal quantifier and existential quantifier with example.

10. Write short note on alpha-beta pruning.

11. Explain Turing test.

12. Write short note on hill climbing.