M. Sc. 2nd Semester Examination – 2019 (DDE)

Subject: Computer Science

Paper: MCS – 202 (Artificial Intelligence)

Full Marks: 22½   **Time: 1 Hour**

The figures in the margin indicate full marks.

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

Answer question number 1 and any three questions from the rest.

1) Write short note on any one of the following: 7½

      a) Classification of agents.
      b) Classification of environments.

2) Differentiate between tautology and contradiction with examples.   5

3) Give the contrapositive and converse of "All graduates know Java" and express them in symbolic
   form.   5

4) How A* algorithm solves the 8 – puzzle problem?   5

5) Explain Turing's Imitation Game. How is it significant in AI?   5

6) Briefly explain Chinese Room Experiment. What conclusion(s) can you draw from this
   experiment?   5