

SCS 302 ARTIFICIAL INTELLIGENCE

CAT 1

DUE ON 13TH JULY 2021 1:00 PM

(a) Define the following terms used in Artificial Intelligence:

- I. Intelligence
- II. Artificial intelligence
- III. Rational action
- IV. Reasoning
- V. Agents

(5 marks)

b) Distinguish between the following:

- I. Intelligent agent and rational agent
- II. Artificial intelligence technique and Artificial intelligence system
- III. Informed search and un informed search
- IV. Monotonic and non-monotonic production System

(8 Marks)

c) Explain three classes of agents

(6marks)

d) Explain the main components of knowledge based systems

(8 Marks)