

**Integrated Academy of Management & Technology**  
**Class-Test-I, November 2023**  
**MCA- III Semester, Batch- (2022-24)**  
**Subject AI with python (KCA301)**

Time: 1 Hr.

Max. Marks: 15

The question paper contains three Sections. All Sections are compulsory.

**Section –A**

**Very Short Answer question: Attempt all in this section** (5x1)

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|---|-----|
| Q1. What is Artificial Intelligence (AI)? | CO1 |
| Q2. Defining State space search Problem.  | CO1 |
| Q3. Explain Best-first search problem.    | CO2 |
| Q4. Representing simple fact in logic.    | CO2 |
| Q5. What is Natural language processing?  | CO1 |

**Section –B**

**Short Answer question: Attempt any Two** (2x2.5)

- |   |     |
|---|-----|
| Q1. What are Heuristic search techniques and use?         | CO2 |
| Q2. Problem solving by searching methods?                 | CO2 |
| Q3. Explain Computer Vision, Natural language processing. | CO1 |

**Section - C**

**Long Answer Question: Attempt any one** (1x5)

- |   |     |
|---|-----|
| Q1. Write Types and structure of intelligent agents.                      | CO1 |
| Q2. Problem solving by searching and types.                               | CO2 |
| Q3. Tasks and application areas of artificial intelligence with examples. | CO1 |