Integrated Academy of Management & Technology
Class-Test-I, November 2023
MCA- III Semester, Batch- (2022-2024)
Subject-AI with python (KCA301) Unit 1

Time: 2 Hr.   **Max. Marks: 25**

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

Section –C

Long Answer Question: Attempt any Five   (5x5)

1. What is artificial intelligence and how has it evolved over time? Can you provide an overview of its historical development and foundation areas?

2. What are the main tasks and application areas of artificial intelligence? How does AI contribute to fields such as healthcare, finance, and transportation?

3. Could you explain the concept of intelligent agents in the context of artificial intelligence? What are the different types of intelligent agents, and what role do they play in AI systems?

4. How does computer vision contribute to the field of artificial intelligence? Can you provide examples of computer vision applications and the challenges involved in implementing this technology?

5. What is natural language processing (NLP) and how does it relate to artificial intelligence? How does NLP enable machines to understand and generate human language, and what are some practical applications of NLP?

6. How does artificial intelligence impact our daily lives? Can you give examples of AI-powered technologies that we encounter in our everyday routines?

7. What are the challenges and limitations of artificial intelligence? Are there any current barriers that hinder the widespread adoption of AI in various industries?