Answer Sheet

Section A: 2 Marks Each (Attempted 5 Questions)

1. **Define Artificial Intelligence (AI).**
   AI is about making machines do things that humans can do.

2. **List two applications of AI in daily life.**
   AI is used in Siri and games.

3. **What is a chatbot? Give an example.**
   A chatbot is a robot that talks to you. Example: Alexa

4. **Differentiate between supervised and unsupervised learning.**
   Supervised learning has labels; unsupervised does not

5. **Name two AI programming languages.**
   Python and C++. (Correct answer: Full marks.)

Section B: 5 Marks Each (Attempted 2 Questions)

7. **Explain the components of an AI system.**
   An AI system has a brain that works with data. There is input data and output, and the machine learns.
   (Missed key components like perception, reasoning, learning, and knowledge representation. Explanation lacks structure and terminology.)

8. **Describe the working of a neural network with an example.**
   A neural network works like a brain. It has layers that process data step by step. For example, image recognition uses neural networks.
   (Partially correct: Mentioned layers but missed key aspects like input, hidden, and output layers, weights, and activation functions. Example is generic without elaboration.)