

ASSIGNMENT - 1

1. What is intelligence?

ans: Intelligence is often characterized by the ability to understand complex ideas, think abstractly, reason effectively, learn from experience and solve problems. It involves cognitive processes like memory, attention and reasoning and it helps individuals adapt to their environment, face challenges and accomplish goals.

2. What is artificial intelligence?

ans: Artificial Intelligence (AI) is technology that enables computers and machines to simulate human learning, comprehension, problem solving, decision-making, creativity and autonomy.

Applications and devices equipped with AI can see and identify objects. They can understand and respond to human language. They can learn from new information and experience. They can act independently, replacing the need for human intelligence or intervention (a classic example being a self-driving car).

S/no	Feature	Human Intelligence	Artificial Intelligence
1	Origin	It is natural, evolving through biology	It is human-made, developed through algorithms
2	Nature	It is emotional and conscious	It is mechanical and digital
3	Learning	Humans learn through experiences.	AI learns from data and algorithms
4	Flexibility	Highly adaptable	It is task specific, with general AI still theoretical
5	Decision Making	Human decisions involve ethics and emotions	AI uses data and predefined rules
6	Creativity	Humans create through intuition and innovation	AI mimics creativity based on patterns
7	Applications	Human intelligence spans all life areas	AI is used in specific fields