1. The Artificial Intelligence

Worksheet

A. Choose the correct option:

1. What is a key difference between the human brain and a computer?

   (a) The brain uses electrical signals, while computers use chemical signals.

   (b) The brain is capable of intuition and emotional understanding.

   (c) Computers possess consciousness, unlike the human brain.

   (d) Brain and computer work on digital signals.

2. How is Artificial Intelligence (AI) defined?

   (a) The capability of a machine to imitate human behaviour.

   (b) A subfield of psychology focused on human-like machines.

   (c) The study of electrical circuits in computer systems.

   (d) A field of multiple intelligence.

3. What distinguishes human intelligence from artificial intelligence (AI)?

   (a) Humans lack emotional understanding.

   (b) AI possesses consciousness and self-awareness.

   (c) Humans demonstrate creativity and adaptability.

   (d) AI shows feelings and emotions.

4. Which type of AI is designed for a specific task or a limited set of tasks?

   (a) Superintelligent AI   (b) Narrow AI (Weak AI)

   (c) General AI (Strong AI)   (d) Intelligent AI

5. In terms of learning, how do the human brain and computers differ?

   (a) Both learn through programmed algorithms.

   (b) The brain learns through diverse experiences, while computers learn only from data.

   (c) Computers learn through intuition, while the brain relies on logic.

   (d) Computer learns from its mistakes

6. According to Carnegie Mellon University, what is AI?

   (a) The study of human behaviour in machines.

   (b) It involves the creation of computer programs that can perform task.

   (c) A subfield of computer science concerned with automating any behaviour.

   (d) The capability of machines to mimic human emotions.

7. What can AI simulate in terms of creativity?

   (a) Genuine creative thinking   (b) Abstract reasoning

   (c) Creativity based on programmed algorithms   (d) Abstract thinking

8. What is the goal of General AI?

   (a) Mimic specific human-like behaviours

   (b) Excel in one narrow task

   (c) Understand, learn, and perform tasks across various domains

   (d) Designing presentations

9. Which statement about emotional understanding is true?

   (a) Computers possess genuine emotional understanding.

   (b) Humans lack emotional intelligence.

   (c) Human emotional understanding is nuanced, while AI lacks true emotional understanding.

   (d) Humans can handle all emotions

10. What distinguishes AI from traditional computer programming?

   (a) AI uses the same algorithms as traditional programming.

   (b) AI involves automating intelligent human behaviour, while traditional programming follows fixed rules.

   (c) Traditional programming is focused on imitating human behaviour.

   (d) AI uses human intelligence for programming

B. Rewrite the statements correcting the mistakes in it.

1. Computers possess consciousness, unlike the human brain.

2. AI is the study of electrical circuits in computer systems

3. Humans lack emotional understanding.

4. Super AI is designed for a specific task.

5. Both the brain and computers learn through programmed algorithms.