

Chapter-8

Introduction to AI

Section A: Multiple Choice Questions

1. What does AI stand for?

- ☐ a) Automated Intelligence
- ☐ b) Artificial Intelligence
- ☐ c) Advanced Interface
- ☐ d) Automated Interface

2. Which of the following is NOT an advantage of AI?

- ☐ a) Reducing human error
- ☐ b) Increasing productivity
- ☐ c) Replacing human emotions
- ☐ d) Performing repetitive tasks without getting tired

3. Which type of AI is also known as "Narrow AI"?

- ☐ a) Weak AI
- ☐ b) Strong AI
- ☐ c) Super AI
- ☐ d) General AI

4. Which of the following is a disadvantage of AI?

- ☐ a) It can learn from experience
- ☐ b) It is highly expensive
- ☐ c) It can replicate human emotions
- ☐ d) It is creative

5. Which of the following is an example of Weak AI?

- a) Self-driving cars
- b) Siri
- c) Robots with human-like intelligence
- d) Superintelligent machines

Section B: Fill in the Blanks

1. AI is the branch of _____ that focuses on developing machines that can think and work like humans.
2. AI helps in reducing _____ by performing tasks with high accuracy.
3. _____ AI is hypothetical and has not been developed yet.
4. AI systems can process billions of data in a fraction of _____.
5. One major disadvantage of AI is that it can lead to _____.

Section C: True or False

1. **True or False:** AI can replicate human emotions and social skills.
2. **True or False:** Weak AI is designed to perform specific tasks only.
3. **True or False:** AI can learn from its past experiences like humans.
4. **True or False:** AI is used in healthcare for diagnosing diseases and analyzing medical images.
5. **True or False:** Super AI is already in use and does not require human interference.