

5. Artificial Intelligence and Ethics

Worksheet

A. Choose the correct option:

1. What is the primary focus of ethics?
 - (a) Technological advancements
 - (b) Moral principles and values
 - (c) Scientific discoveries
 - (d) Political strategies
2. What does AI ethics primarily involve?
 - (a) Enhancing profitability
 - (b) Designing advanced algorithms
 - (c) Incorporating moral guidelines in AI development
 - (d) Achieving technological singularity
3. What is a key reason for the necessity of AI ethics?
 - (a) To slow down technological advancements
 - (b) To address potential ethical concerns and dangers
 - (c) To encourage unrestricted AI development
 - (d) To minimise public awareness
4. What is a common issue addressed by AI ethics?
 - (a) Accelerating automation
 - (b) Ensuring gender equality
 - (c) Promoting monopoly in tech industry
 - (d) Ignoring privacy concerns
5. What recommendation did UNESCO provide regarding AI ethics?
 - (a) To ignore ethical considerations
 - (b) To promote unrestricted AI research
 - (c) To ensure inclusive and ethical AI development
 - (d) To limit access to AI technologies
6. What is a common challenge in AI systems that relates to biases?
 - (a) Achieving complete objectivity
 - (b) Ignoring cultural differences
 - (c) Eliminating human involvement
 - (d) Introducing unintentional biases
7. Which area has witnessed real-life examples of AI bias?
 - (a) Medical diagnostics
 - (b) Weather prediction
 - (c) Social media management
 - (d) Archaeological discoveries
8. What is a notable advantage of AI technology?
 - (a) Limited processing speed
 - (b) Reduced efficiency
 - (c) Improved decision-making
 - (d) Increased human error

9. What is a potential disadvantage of AI systems?
- (a) Enhanced productivity
 - (b) Ethical decision-making
 - (c) Job displacement
 - (d) Accurate predictions
10. How can AI ethics be improved?
- (a) By ignoring ethical considerations
 - (b) Through continuous dialogue, research, and transparency
 - (c) By limiting public awareness
 - (d) By prioritising profit over ethics

B. Rewrite the statements correcting the mistakes in it.

1. Ethics is only concerned with legal standards and regulations.
2. AI systems are completely unbiased and free from ethical concerns.
3. AI bias is only a theoretical concept and has not been observed in real-world applications.
4. AI technology always leads to job displacement and reduced efficiency.
5. AI ethics can be improved by avoiding public awareness and prioritising profits.