

4. Possibilities in Artificial Intelligence

Worksheet

A. Choose the correct option:

1. What is a key application of Artificial Intelligence (AI) in enhancing user experience?
(a) Predicting weather patterns (b) Personalised recommendations
(c) Space exploration (d) Agricultural automation
2. Which field is often associated with the application of AI in creating intelligent algorithms?
(a) Geology (b) Astrophysics
(c) Data Science (d) Botany
3. What job role is responsible for designing and training machine learning models?
(a) Robotics Engineer (b) Data Scientist
(c) Blockchain Developer (d) Cybersecurity Analyst
4. Which skill is crucial for an AI professional involved in natural language processing tasks?
(a) Graphic Design (b) Linguistic Analysis
(c) Culinary Arts (d) Musical Composition
5. What is a common educational requirement for entry-level positions in AI?
(a) High School Diploma (b) Bachelor's Degree in Computer Science
(c) Master's Degree in Literature (d) Vocational Training Certificate
6. Which tech giant is known for its advancements in AI, including the development of deep learning frameworks?
(a) Ford (b) IBM
(c) Microsoft (d) McDonald's
7. What is an expected outcome of the continued growth of AI in various industries?
(a) Increased reliance on traditional business models
(b) Decreased integration of AI in healthcare
(c) Limited job opportunities in AI
(d) Enhanced automation and efficiency
8. In which industry is AI extensively used to develop advanced robotic systems?
(a) Agriculture (b) Manufacturing
(c) Textile (d) Mining
9. What is the role of an AI Ethics Specialist in the field of Artificial Intelligence?
(a) Developing AI hardware (b) Ensuring ethical use of AI technologies
(c) Managing IT infrastructure (d) Designing mobile applications

10. What does a Computer Vision Engineer primarily work on?

- (a) Enhancing sound quality in music
- (b) Developing algorithms for image recognition
- (c) Creating social media content
- (d) Designing video game graphics

B. Rewrite the statements correcting the mistakes in it.

1. A career in AI is limited to only those with a background in Computer Science.
2. Creativity is not a crucial skill in the field of AI; it's primarily about technical expertise.
3. A high school diploma is sufficient for entry-level positions in AI.
4. McDonald's is a major player in the field of AI.
5. The future prospects of AI include a reduction in job opportunities due to automation.