

For all MCQs, highlight the answer (highlight letter and its value.).

For all typed response questions, type in the given space.

Quiz on Artificial Intelligence

Multiple Choice Questions (MCQ)

- 1. Which of the following is NOT a type of machine learning?**
 - ☐ A) Supervised learning
 - ☐ B) Unsupervised learning
 - ☐ C) Reinforcement learning
 - ☐ D) Logical learning

 - 2. What does NLP stand for in the context of artificial intelligence?**
 - ☐ A) Natural Learning Program
 - ☐ B) Neural Language Processing
 - ☐ C) Natural Language Processing
 - ☐ D) Normal Language Pattern

 - 3. Which of the following algorithms is commonly used for classification tasks?**
 - ☐ A) K-Nearest Neighbors (KNN)
 - ☐ B) K-Means Clustering
 - ☐ C) Genetic Algorithm
 - ☐ D) Principal Component Analysis (PCA)

 - 4. In artificial neural networks, what is a "hidden layer"?**
 - ☐ A) The layer where input data is first processed
 - ☐ B) The layer where the final output is generated
 - ☐ C) Intermediate layers between the input and output layers
 - ☐ D) A layer that cannot be observed by users

 - 5. Which of the following best describes "Deep Learning"?**
 - ☐ A) A subset of AI that simulates human decision-making
 - ☐ B) A subset of machine learning using neural networks with many layers
 - ☐ C) A technique that only uses supervised learning
 - ☐ D) AI that focuses on understanding human emotions
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Typed Response Questions

1. **Explain the difference between supervised and unsupervised learning. Provide an example of each.**

Ans:

2. **What is the Turing Test, and how does it relate to artificial intelligence?**

Ans: