

1.

Question 1

Imagine you're working on an AI project that involves creating new content such as images, music, and language. Which artificial intelligence technology would you be primarily focused on? 1 / 1 point

Machine Learning

Generative AI

Neural Networks

Natural Language Processing (NLP)

Correct

Correct! Generative AI is the subset of AI that concentrates on producing new data and content, including images, music, language, and more.

Question 2

What sets deep learning apart from traditional neural networks? 1 / 1 point

Linear transformations in data analysis

Improved computational efficiency

Multiple layers of neural networks

Enhanced cloud computing integration

Correct

Correct! Deep learning is characterized by its use of multiple layers, enabling complex pattern recognition.

Question 3

In the realm of machine learning, what significant application involves the task of predicting items of interest for users based on their past interactions or behaviors? 1 / 1 point

Optimizing search engine ranking algorithms

Analyzing retail sales trends for inventory management

Recommender systems for personalized content suggestions

Identifying fraudulent transactions in real-time

Correct

Correct! Recommender systems use machine learning to predict and suggest items of interest to users, such as movies or products.