

**❑What is Generative AI primarily used for?**

- A) Data encryption
- B) Content creation
- C) Network security
- D) Database management

Correct **Answer: B) Content creation**

**Chosen answer B)**

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**❑Which deep learning model is commonly used in Generative AI for text generation?**

- A) CNN (Convolutional Neural Network)
- B) RNN (Recurrent Neural Network)
- C) Transformer
- D) KNN (K-Nearest Neighbors)

Correct **Answer: C) Transformer**

**Chosen answer B)**

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**❑What is the main function of the Generator in a Generative Adversarial Network (GAN)?**

- A) To classify images
- B) To generate synthetic data
- C) To detect fraud
- D) To optimize a search algorithm

Correct **Answer: B) To generate synthetic data**

**Chosen answer B)**

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**❑Which of the following AI models can generate images?**

- A) GPT-4
- B) DALL·E
- C) BERT
- D) ResNet

Correct **Answer: B) DALL·E**

**Chosen answer B)**

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**5 What is a key limitation of Generative AI?**

- A) It cannot process large datasets
- B) It always produces 100% accurate results
- C) It can generate biased or misleading content
- D) It is unable to generate new data

Correct **Answer: C) It can generate biased or misleading content**

**Chosen answer B)**

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**6 Which of the following techniques is used to improve the safety of AI-generated content?**

- A) Data poisoning
- B) Reinforcement Learning from Human Feedback (RLHF)
- C) Brute force optimization
- D) Gradient boosting

Correct **Answer: B) Reinforcement Learning from Human Feedback (RLHF)**

**Chosen answer B)**

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**7 Which AI model is best suited for generating human-like text?**

- A) GPT (Generative Pre-trained Transformer)
- B) YOLO (You Only Look Once)

- C) LSTM (Long Short-Term Memory)
- D) DBSCAN (Density-Based Spatial Clustering)

Correct **Answer: A) GPT (Generative Pre-trained Transformer)**

**Chosen answer B)**

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**8 In GANs, what is the role of the Discriminator?**

- A) To generate high-quality images
- B) To train other AI models
- C) To distinguish between real and generated data
- D) To perform speech recognition

Correct **Answer: C) To distinguish between real and generated data**

**Chosen answer B)**

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**9 What is the purpose of fine-tuning a pre-trained AI model?**

- A) To reduce training time
- B) To adapt the model to a specific task or dataset
- C) To increase the number of parameters
- D) To make the model slower

Correct **Answer: B) To adapt the model to a specific task or dataset**

**Chosen answer B)**

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**10 What is a major ethical concern associated with Generative AI?**

- A) It cannot generate high-quality content
- B) It may lead to job automation
- C) It improves human creativity
- D) It is completely unbiased

Correct **Answer: B) It may lead to job automation**

**Chosen answer B)**