



Started on

Thursday, 6 February 2025, 8:09 PM

State

Finished

Completed on

Thursday, 6 February 2025, 8:13 PM

Time taken

4 mins 11 secs

Marks

10.00/10.00

Grade

100.00 out of 100.00

### Question 1

1.00/1.00

Which AI model series by OpenAI, based on the Transformer architecture, is known for generating highly coherent content?

- ☐ CycleGAN
- ☐ ResNet
- ☐ TransformerXL
- ☐ BERT
- ☒ GPT series✓

The correct answer is: GPT series

### Question 2

1.00/1.00

Which generative model introduced a stochastic layer that models data in a latent space?

- ☒ VAE✓
- ☐ DCGAN
- ☐ BigGAN
- ☐ Transformer
- ☐ CycleGAN

The correct answer is: VAE

### Question 3

1.00/1.00

In the context of GANs, what is the role of the Discriminator?

- ☐ To decode data
- ☐ To generate data
- ☐ To transform data
- ☒ To distinguish between real and generated data✓
- ☐ To encode data

The correct answer is: To distinguish between real and generated data

### Question 4

1.00/1.00



20%



What is the main innovation introduced by the "Attention Is All You Need" paper?

- ☐ Introduction of RNNs
- ☐ Introduction of VAEs
- ☐ Introduction of GANs
- ☒ Transformer architecture✓
- ☐ Introduction of CNNs

The correct answer is: Transformer architecture

### Question 5

1.00/1.00

What mechanism allows the Transformer model to weigh the importance of different words in a sequence?

- ☐ Recurrent Mechanism
- ☐ Decoding Mechanism
- ☐ Encoding Mechanism
- ☐ None of the given options
- ☒ Self-Attention Mechanism✓

The correct answer is: Self-Attention Mechanism

### Question 6

1.00/1.00

Which model can transform horse photos into zebra photos without direct comparison?

- ☐ VAE
- ☐ Transformer
- ☒ CycleGAN✓
- ☐ DCGAN
- ☐ BigGAN

The correct answer is: CycleGAN

### Question 7

1.00/1.00

Which model demonstrated that using larger architectures can produce better images?

- ☐ VAE
- ☐ DCGAN
- ☐ Transformer
- ☐ CycleGAN
- ☒ BigGAN✓

The correct answer is: BigGAN

The correct answer is: BigGAN



### Question 8

1.00/1.00

What is the primary advantage of Transformers over RNNs in terms of processing sequences?

- ☐ More parameters
- ☐ Better attention mechanism
- ☐ Faster convergence
- ☐ None of the given options
- ☒ Parallel Processing✓

The correct answer is: Parallel Processing

### Question 9

1.00/1.00

Which model is known for its rules for creating stable and effective AI image-makers?

- ☐ VAE
- ☐ BigGAN
- ☐ Transformer
- ☐ CycleGAN
- ☒ DCGAN✓

The correct answer is: DCGAN

### Question 10

1.00/1.00

Which of the following is NOT a direct application of the Transformer architecture?

- ☐ Text summarization
- ☐ Question answering
- ☐ Text translation
- ☒ Image recognition✓
- ☐ Image generation

The correct answer is: Image recognition