Started on	Friday, 7 February 2025, 3:36 PM
State	Finished
Completed on	Friday, 7 February 2025, 3:38 PM
Time taken	2 mins 11 secs
Marks	10.00/10.00
Grade	**100.00** out of 100.00

Question 1

1.00/1.00

For which task might you use a Transformer to generate a concise summary of a long article?

- Image Classification
- Translation
- Question Answering
- None of the options given
- Summarization✔

The correct answer is: Summarization

Question 2

1.00/1.00

How does Multi-head attention differ from standard attention?

- It allows the model to focus on multiple parts of the input simultaneously✔
- None of the options given
- It is only used in GPT
- It uses fewer parameters
- It is faster

The correct answer is: It allows the model to focus on multiple parts of the input simultaneously

Question 3

1.00/1.00

Which mechanism allows Transformers to weigh the importance of different words in a sequence?

- CNN layers
- RNN cells
- Self Attention Mechanism✔
- LSTM cells
- None of the options given

The correct answer is: Self Attention Mechanism

Question 4

1.00/1.00

Which of the following models is designed for image generation?

- None of the options given
- BERT
- T5
- DALL·E ✔
- GPT

The correct answer is: DALL·E

Question 5

1.00/1.00

Which Transformer model is known for generating coherent paragraphs of text?

- T5
- Image GPT
- GPT ✔
- DALL·E
- BERT

The correct answer is: GPT

Question 6

1.00/1.00

What is the primary task BERT is designed for?

- None of the options given
- Image generation
- Bidirectional understanding of text ✔
- Text generation
- Language translation

The correct answer is: Bidirectional understanding of text

Question 7

1.00/1.00

In sequence-to-sequence tasks, why is attention important?

- It reduces overfitting
- It simplifies the model
- It speeds up computation
- It helps the model focus on relevant parts of the input ✔
- All of the options given

The correct answer is: It helps the model focus on relevant parts of the input

Question 8

1.00/1.00

In the context of Transformers, what does "seq to seq" stand for?

- Sequential to Sequential
- Sequential training
- Sequence to Sequence✔
- None of the options given
- Sequence training

The correct answer is: Sequence to Sequence

Question 9

1.00/1.00

Which model can be used for both image and text tasks?

- GPT
- T5
- BERT
- DALL·E
- None of the options given✔

The correct answer is: None of the options given

Question 10

1.00/1.00

What is the main difference between pre-training and fine-tuning in Transformers?

- Both are done simultaneously
- Pre-training uses smaller models
- None of the options given
- Fine-tuning is done without labeled data
- Pre-training is on a large corpus and fine-tuning is task-specific✔

The correct answer is: Pre-training is on a large corpus and fine-tuning is task-specific