1.00	b. Masked self-attention
	c. Layer normalization
	 d. Positional encoding
Question 2	
	What is the purpose of the feedforward layer in the decoder?
Complete	
Mark 1.00 out of 1.00	a. To perform token embedding
1.00	 b. To normalize the input sequence
	 c. To apply non-linearity and enhance feature representation
	d. To compute attention scores
Question 3	
	What role does the layer normalization play in the Transformer decoder?
Complete	
Mark 1.00 out of 1.00	a. It applies dropout to prevent overfitting
1.00	 b. It normalizes the output of each sub-layer to stabilize training
	c. It removes redundant information from input embeddings
	 d. It directly maps token embeddings to output probabilities
Question 4	What happens if marking is not applied in the decoder's self attention?
Complete	What happens if masking is not applied in the decoder's self-attention?
Mark 1.00 out of	The model will generate in some at any distinguish and in the second of
1.00 out of	a. The model will generate incorrect predictions by seeing future tokens
	b. The model will run faster and more efficiently
	c. The decoder will fail to use the encoder's output
	od. The model will only use the previous token for prediction
Question 5	What are the inputs to the decoder in a Transformer model?
Complete	what are the inputs to the decoder in a transformer moder:
Mark 1.00 out of 1.00	a. The encoder's output and a positional embedding
	 b. The raw input sequence and the encoder's output
	C. The output of the previous decoder layer only
	 d. The final output from the encoder and the ground-truth output sequence shifted by one position
Question 6	In the Transformer model, what is the main function of the decoder?
Complete	in the mansionner model, what is the main ranction of the decoder.
Mark 1.00 out of	a. Encode input sequences into fixed representations
1.00	
	b. Generate position embeddings
	c. Compute attention weights for input tokens
	 d. Convert encoded representations into output sequences
Question 7	In the decoder's multi-head self-attention, why do we use multiple attention heads?
Complete	
Mark 1.00 out of	a. To ensure each token attends to only one other token
1.00	 b. To reduce memory consumption
	c. To increase computational speed
	 d. To capture different aspects of the input representation
Question 8	Why is masking applied in the decoder's self-attention layer?
Complete	
Mark 1.00 out of	a. To reduce computational complexity
1.00	b. To allow bidirectional context understanding
	 c. To prevent the decoder from seeing future words during training
	Od. To improve performance on long sequences
	a. To improve performance on long sequences
0	
Question 9	How does the self-attention mechanism in the decoder differ from that in the encoder?
Complete	
Mark 1.00 out of	a. The decoder uses bidirectional attention, while the encoder does not
1.00	b. The decoder's self-attention is computed after the feedforward layer
	c. The decoder does not use self-attention, only cross-attention
	 d. The decoder has masked self-attention, preventing attention to future tokens
Question 10	What is the output of the final deceder layer before coft
	What is the output of the final decoder layer before softmax activation?
Complete	
Mark 1.00 out of 1.00	a. The hidden state representations
	 b. A sequence of token embeddings
	o. The original input sequence
	d. A probability distribution over the vocabulary