

Sample Questions with Answers

Artificial Intelligence - Natural Language Processing

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Artificial Intelligence

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Question 1:

What is a neuron in artificial neural networks?

- A) Basic processing unit that receives and processes inputs
- B) Brain cell in computers
- C) Memory storage unit
- D) Input device

[ANSWER] Answer & Explanation:

A

Question 2:

What connects neurons in a network?

- A) Weights and connections
- B) Cables and wires
- C) Software bridges
- D) Data pipes

[ANSWER] Answer & Explanation:

A

Question 3:

What is a perceptron?

- A) Simplest type of neural network with single layer
- B) Advanced vision system
- C) Data preprocessing tool
- D) Output display device

[ANSWER] Answer & Explanation:

A

Question 4:

What is the purpose of bias in neural networks?

- A) Shift activation function to improve learning
- B) Introduce unfairness
- C) Speed up computation
- D) Reduce memory usage

[ANSWER] Answer & Explanation:

A

Question 5:

What is forward propagation?

- A) Process of computing output from input through network
- B) Moving network forward in time
- C) Advancing to next training epoch
- D) Propagating errors forward

[ANSWER] Answer & Explanation:

A

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