

# Neural Network Practice Test Questions and Answers

**1. What is the basic building block of a neural network?**

- A) Algorithm
- B) Neuron (or node)
- C) Database
- D) Function

**2. What is the purpose of an activation function in neural networks?**

- A) To store data
- B) To introduce non-linearity and determine neuron output
- C) To increase processing speed
- D) To reduce memory usage

**3. Which learning algorithm is commonly used to train neural networks?**

- A) Linear search
- B) Backpropagation
- C) Binary search
- D) Bubble sort

**4. What is overfitting in neural networks?**

- A) Using too much memory
- B) When the model performs well on training data but poorly on new data
- C) Running the network too fast
- D) Having too few layers

Answers: 1-B 2-B 3-B 4-B

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