1 point

1. Which layer in a DNN is responsible for receiving the raw input data?

- ⦿ Input Layer
- ○ Hidden Layer
- ○ It determines the accuracy of the model.
- ○ It has no significant role in machine learning

1 point

2. Which type of Deep Neural Network is best suited for processing images and videos?

- ○ Multi-Layer Perceptron (MLP)
- ⦿ Convolutional Neural Network (CNN)
- ○ Recurrent Neural Network (RNN)
- ○ Generative Adversarial Network (GAN)

3. What role do Weights play in an artificial neuron?

- ○ Introduce non-linearity
- ⦿ Determine the importance of each input
- ○ C: Provide a constant offset
- ○ Receive the initial data

1 point

4. What is the first step in the computation process of an artificial neuron?

- ○ Apply the activation function
- ⦿ Calculate the weighted sum
- ○ Transmit the output signal
- ○ Adjust the bias

1 point

5. What is the initial step in the Gradient Descent algorithm?

- ○ Calculate the gradient of the loss function
- ○ Update the model parameters
- ⦿ Initialize the model parameters with random values
- ○ Repeat steps until convergence