Deep Learning Quiz 1 Result

Questions with correct answer and the answer you marked............

Q1:

Deep Learning is a subset of?
A : Robotics
B : Artificial Intelligence
C : Machine Learning
D : Both b and c

Correct Answer : D
Your Marked Answer : D

Q2:

The first layer of the Neural Network is called?
A : inner layer
B : outer layer
C : hidden layer
D : None of the above

Correct Answer : A
Your Marked Answer : A

Q3:

Which of these is NOT a reason for Deep Learning recently taking off?
A : We have access to a lot more data.
B : Neural Networks are a brand new field
C : We have access to a lot more computational power.
D : Deep learning has resulted in significant improvements in important applications such as online advertising, speech recognition, and image recognition.

Correct Answer : B
Your Marked Answer : B

Q4:

Neural Networks are used for _____?
A : structured data
B : unstructured data
C : Both A and B
D : None of the above

Correct Answer : C
Your Marked Answer : B

Q5:

When an experienced deep learning engineer works on a new problem, they can usually use insight from previous problems to train a good model on the first try, without needing to iterate multiple times through different models.
A : True
B : False
C : Can't Determine

D : None of the above

Correct Answer : A
Your Marked Answer : B

Q6:

Which one of these plots represents a ReLU activation function?
A : Left
B : Right
C : Both
D : None of the mentioned

Correct Answer : B
Your Marked Answer : B

Q7:

Which of the following is/are Limitations of deep learning?
A : Data labeling
B : Obtain huge training datasets
C : both 1 and 2
D : None of the above

Correct Answer : C
Your Marked Answer : C

Q8:

Which of the following functions can be used as an activation function in the output layer if we wish to predict the probabilities of n classes (p1, p2..pk) such that the sum of p over all n equals to 1?
A : Softmax
B : ReLu
C : Sigmoid
D : Tanh

Correct Answer : A
Your Marked Answer : A

Q9:

Backpropagation works by first calculating the gradient of _____ and then propagating it backwards
A : Sum of squared error with respect to inputs
B : Sum of squared error with respect to weights
C : Sum of squared error with respect to outputs
D : None of these

Correct Answer : A
Your Marked Answer : C

Q10:

In which of the following applications can we use deep learning to solve the problem?
A : Protein structure prediction
B : Prediction of chemical reactions
C : Detection of exotic particles
D : All of the above

Correct Answer : D
Your Marked Answer : D

Deep Learning Quiz 2 Result

Questions with correct answer and the answer you marked............

Q1:

If you increase the number of hidden layers in a Multi-Layer Perceptron, the classification error of test data always decreases.
A : True
B : False
C : Can't Determine
D : None of the mentioned

Correct Answer : B
Your Marked Answer : B

Q2:

Which of the following would have a constant input in each epoch of training a Deep Learning model?
A : Weight between input and hidden layer
B : Weight between hidden and output layer
C : Biases of all hidden layer neurons
D : Activation function of output layer

Correct Answer : A
Your Marked Answer : A

Q3:

In a Neural Network, which of the following techniques are used to deal with overfitting?
A : Dropout
B : Regularization
C : Batch Normalization
D : All of these

Correct Answer : D
Your Marked Answer : D

Q4:

Sentiment analysis using Deep Learning is a many-to-one prediction task
A : True
B : False
C : Can be true or false
D : Cannot say

Correct Answer : A
Your Marked Answer : A

Q5:

What if we use a learning rate that's too large?
A : Network will converge
B : Network will no converge
C : Can't say
D : none of the mentioned

Correct Answer : B
Your Marked Answer : A

Q6:

Which of the following methods DOES NOT prevent a model from overfitting to the training set?
A : Early stopping
B : Data augmentation
C : Pooling
D : none of the mentioned

Correct Answer : C
Your Marked Answer : C

Q7:

The number of nodes in the input layer is 10 and the hidden layer is 5. The maximum number of connections from the input layer to the hidden layer are
A : 50
B : less than 50
C : more than 50
D : It is an arbitrary value

Correct Answer : A
Your Marked Answer : A

Q8:

The number of output cases depends on what factor?
A : Number of inputs
B : Number of distinct classes
C : Total number of classes
D : none of these

Correct Answer : B
Your Marked Answer : B

Q9:

What is an autoencoder?
A : a neural network that copies its input to its output
B : a neural network that codes itself
C : a neural network that maps an input to an output through a hidden layer
D : a neural network that is trained to attempt to copy its input to its output

Correct Answer : D
Your Marked Answer : A

Q10:

Which of the following is true about bias?
A : Bias is inherent in any predictive model
B : Bias impacts the output of the neurons
C : Both A and B
D : None

Correct Answer : C
Your Marked Answer : C