

AISC_Quiz 5_SH-21_BE A[co5]

Total points **10/10** ?

Name *

AMEY MAHENDRA THAKUR

Roll No: *

50

✓ ANN is composed of large number of highly interconnected processing elements(neurons) working in unison to solve problems * 1/1

☒ True



☐ False

✓ Artificial neural network used for * 1/1

☐ Pattern Recognition

☐ Classification

☐ Clustering

☒ All of thes



✓ A Neural Network can answer *

1/1

- ☐ For Loop questions
- ☒ what-if questions ✓
- ☐ IF-The-Else Analysis Questions
- ☐ None of these

✓ Identify the following activation function : $\phi(V) = \frac{Z}{1 + \exp(-x * V + Y)}$, Z, X, Y are parameters *

- ☐ Step function
- ☐ Ramp function
- ☒ Sigmoid function ✓
- ☐ Gaussian function

✓ Which of the following neural networks uses supervised learning? *

1/1

- ☒ Multilayer perceptron ✓
- ☐ Self organizing feature map
- ☐ Hopfield network



✓ Feature of ANN in which ANN creates its own organization or representation of information it receives during learning time is *

1/1

☐ Adaptive Learning

☒ Self Organization ✓

☐ What-If Analysis

☐ Supervised Learning

✓ What is the objective of backpropagation algorithm? *

1/1

☐ to develop learning algorithm for multilayer feedforward neural network

☐ b) to develop learning algorithm for single layer feedforward neural network

☒ c) to develop learning algorithm for multilayer feedforward neural network, so that network can be trained to capture the mapping implicitly ✓

☐ d) none of the mentioned

✓ There is feedback in final stage of backpropagation algorithm? *

1/1

☐ a) yes

☒ b) no ✓



✓ Activation models are? *

1/1

- ☐ a) dynamic
- ☐ b) static
- ☒ c) deterministic
- ☐ d) none of the mentioned



✓ The fundamental unit of network is *

1/1

- ☐ brain
- ☐ b) nucleus
- ☒ c) neuron
- ☐ d) axon



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