Self Assessment

Module/Topic name : Sem-6/DSE-3/UNIT-2/Learning Methods

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1. What is hebbian learning?

    a) synaptic strength is proportional to correlation between firing of post & presynaptic neuron
    b) synaptic strength is proportional to correlation between firing of postsynaptic neuron only
    c) synaptic strength is proportional to correlation between firing of presynaptic neuron only
    d) none of the mentioned

2. What is competitive learning?

    a) learning laws which modulate difference between synaptic weight & output signal
    b) learning laws which modulate difference between synaptic weight & activation value
    c) learning laws which modulate difference between actual output & desired output
    d) none of the mentioned

3. Error correction learning is type of?

    a) supervised learning
    b) unsupervised learning
    c) can be supervised or unsupervised
    d) none of the mentioned

. 4. What is reinforcement learning?

    a) learning is based on evaluative signal
    b) learning is based o desired output for an input
    c) learning is based on both desired output & evaluative signal
    d) none of the mentioned

5. Which of the following learning laws belongs to same category of learning?

    a) hebbian, perceptron
    b) perceptron, delta
    c) hebbian, widrow-hoff
    d) instar, outstar

6. In hebbian learning intial weights are set?

    a) random
    b) near to zero
    c) near to target value
    d) near to target value