<u>Dashboard</u> / My courses / <u>SCSA1601</u> / <u>General</u> / <u>SCSA1601 QUIZ II - 13.04.2022 (6.00 pm to 6.45 pm)</u>
Started on State Finished Completed on Time taken Grade Vednesday, 13 April 2022, 6:03 PM Wednesday, 13 April 2022, 6:31 PM 28 mins 3 secs 20.00 out of 30.00 (67%)
Question 1 Correct Mark 2.00 out of 2.00
What does ART stand for? <ul> <li>a. Automatic Resonance Theory</li> <li>b. None</li> <li>c. Adaptive Resonance Theory</li> <li>d. Artificial Resonance Theory</li> </ul>
The correct answer is: Adaptive Resonance Theory
Question 2 Correct Mark 2.00 out of 2.00
What is competitive learning?  a. none  b. learning laws which modulate difference between synaptic weight & output signal  c. learning laws which modulate difference between synaptic weight & activation value  d. learning laws which modulate difference between actual output & desired output
The correct answer is: learning laws which modulate difference between synaptic weight & output signal

Question 3 Incorrect Mark 0.00 out of 2.00	
The general idea of boosting also encompasses building multiple learners to contribute to the final result  O a. strong	
○ b. weak	
© c. efficient	2
O d. Bagging	
u. bagging	
The correct answer is: weak	
Question 4 Correct	
Mark 2.00 out of 2.00	
Which layer has feedback weights in competitive neural networks?	
○ a. input layer	
	,
oc. both input and second layer	
The correct answer is: Second Layer	
Question 5	
Incorrect  Mark 0.00 out of 2.00	
Mark 0.00 out of 2.00	
Self-Organizing Maps(SOMs) are a form of unsupervised neural network that are used for visualization and exploratory data analysis of datasets	
a. None of the above	
<ul><li>b. low dimensional</li></ul>	;
○ c. high dimensional	
○ d. Both	
The correct answer is: high dimensional	

Question 6	
Mark 2.00 out of 2.00	
Which of the following is an application of reinforcement learning?	
a. Image Classification	
O b. Topic Modeling	
c. Recommendation System	<b>~</b>
Od. Pattern Recognition	
The correct answer is: Recommendation System	
Question 7	
Correct  Mark 2.00 out of 2.00	
Mark 2.56 Gal G. 2.56	
How are input layer units connected to second layer in competitive learning networks?	
now are input tayer units connected to second layer in competitive learning networks:	
a. Feed Forward manner	<b>~</b>
b. Feed forward and feedback	
oc. none	
Od. Feed Backward manner	
The correct answer is: Feed Forward manner	
Question 8	
Correct	
Mark 2.00 out of 2.00	
If a competitive network can perform feature mapping then what is that network can be called?	
<ul><li>a. self excitatory</li></ul>	
b. self organization	~
c. self inhibitory	
○ d. None	
The correct answer is: self organization	

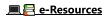
Question 9 Incorrect Mark 0.00 out of 2.00	
What is the advantage of Bootstrap sampling over sampling without replacement?	
a. Bootstrapping simulates the dataset as a distribution better.	
b. Bootstrapping samples have less variance.	••
c. Bootstrapping only selects distinct data points.	×
The correct answer is: Bootstrapping simulates the dataset as a distribution better.	
Question 10 Incorrect Mark 0.00 out of 2.00	
An Ensemble is often faster or slower than a single-model method?	
○ a. Slower	
<ul><li>b. Faster</li></ul>	×
The correct answer is: Slower	
Question 11	
Question 11  Correct	
Mark 2.00 out of 2.00	
The main benefit of bagging is to reduce the of the final model while keeping the bias almost uninfluenced.	
	~
○ b. Accuracy	
c. None	
○ d. Fitness	
The correct answer is: Variance	

Question 12	
Correct  Mark 2.00 out of 2.00	
Which of the following is true about reinforcement learning?	
<ul><li>a. All of the mentioned</li></ul>	<b>~</b>
b. The agent gets rewards or penalty according to the action	
o. It's an online learning	
Od. The target of an agent is to maximize the rewards	
The correct answer is: All of the mentioned	
Question 13	
Correct	
Mark 2.00 out of 2.00	
Reinforcement learning is-	
a. Supervised Learning	
O b. None	
c. Award Based Learning	~
Od. Unsupervised learning	
The correct answer is: Award Based Learning	
Question 14	
Incorrect	
Mark 0.00 out of 2.00	
ART is made to tackle?	
a. hard problem	
b. none	×
o. Stability problem	
Od. Storage problem	
The correct answer is: Stability problem	

Question 15 Correct Mark 2.00 out of 2.00	
One of the advantage of Boosting is that it can perform well even on datasets	
■ a. Imbalanced     ✓	•
O b. All of the mentioned	
o. neutral	
Od. balanced	
The correct answer is: Imbalanced	
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