Started on	Saturday, 24 February 2024, 7:30 AM			
State	Finished			
Completed on	Saturday, 24 February 2024, 8:14 AM			
Time taken	44 mins 53 secs			
Grade	13.00 out of 15.00 (87 %)			
Question 1				
Correct				
Mark 1.00 out of 1.00				
	ring is not an example of an unsupervised neural network?			
Self-organizingHebb network				
Both a and bBack propagat	tion natwork			
Buck propugat	and the work			
The correct answer is: Back propagation network				
Question 2				
Correct				
Mark 1.00 out of 1.00				
Which boolean ope A) X1 AND X2 B) X1 OR X2 C) X1 NOR X2 D) X1 XOR X2	eration on two variables can be represented by a single perceptron layer?			
O D only				
C and D only				
A, B and C onl	y			
A, B, C and D	only			
The correct answer	is: A, B and C only			

The correct answer is: Softmax

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Question 5
Correct
Mark 1.00 out of 1.00
What is back propagation?
What is back propagation:
It is another name given to the curvy function in the perceptron
 It is the transmission of error back through the network to adjust the inputs
It is the transmission of error back through the network to allow weights to be adjusted so that the network can learn
None of the mentioned
None of the mentioned
Explanation:
Back propagation is the transmission of error back through the network to allow weights to be adjusted so that the network can learn.
The correct answer is: It is the transmission of error back through the network to allow weights to be adjusted so that the network can
learn
Question 6
Correct
Mark 1.00 out of 1.00
Identify the following activation function: $\phi(V) = Z + (1/1 + \exp(-x * V + Y)), Z, X, Y \text{ are parameters?}$
Step function
Ramp function
Sigmoid
Gaussian function
The connect on according Circumstal
The correct answer is: Sigmoid
Question 7
Correct
Mark 1.00 out of 1.00
The data is fed into the model and output from each layer is obtained this step is called
● Feedforward
Feed backward
input layer
Output layer
The correct answer is: Feedforward
The confect answer is, i eculor ward

Question 8
Correct
Mark 1.00 out of 1.00
Which of the following is well suited for perceptual tasks?
Reinforcement Learning
Recurrent Neural Networks
○ Convolutional Neural Networks ✓
Feed-forward Neural Networks
The correct answer is: Convolutional Neural Networks
Question 9
Incorrect M. 1909 - 1 (100)
Mark 0.00 out of 1.00
In CNN, after adding (2x2) sized 16 max pooling layers, the network total parameters will get increased by how much amount
(number of parameters increased)?
© 4 ×
- T
○ 16 ○ 64
64None of these
Notice of these
The correct answer is: None of these
Question 10
Correct
Mark 1.00 out of 1.00
In a simple MLP model with 8 neurons in the input layer, 5 neurons in the hidden layer and 1 neuron in the output layer. What is the size of the weight matrices between hidden output layer and input hidden layer?
5.22 of the weight matrices between maderi output layer and imput modernayer.
○ [1 X 5], [8 X 5]
◎ [5 x 1], [8 X 5]
○ [8 X 5] , [5 X 1]
○ [8 X 5] , [1 X 5]
The correct answer is: [5 x 1] , [8 X 5]

Question 11
Correct
Mark 1.00 out of 1.00
OUESTION CONTEXT.
QUESTION CONTEXT:
Statement 1: It is possible to train a network well by initializing all the weights as 0
Statement 2: It is possible to train a network well by initializing biases as 0 Which of the statements given above is true?
Statement 1 is true while Statement 2 is false
Statement 2 is true while statement 1 is false
Both statements are true
Both statements are false
The correct answer is: Statement 2 is true while statement 1 is false
Question 12
Correct
Mark 1.00 out of 1.00
Wark 1.00 Out Of 1.00
The input image has been converted into a matrix of size 28 X 28 and a kernel/filter of size 7 X 7 with a stride of 1. What will be the
size of the convoluted matrix when any kind of padding is not used?
□ 22 X 22 ✓
O 21 X 21
O 28 X 28
O 7×7
The correct answer is: 22 X 22

Question 13

Correct

Mark 1.00 out of 1.00

Given below is an input matrix of shape 7 X 7. What will be the output on applying a max pooling of size 3 X 3 with a stride of 2?

1	2	4	1	4	0	1
0	0	1	6	1	5	5
1	4	4	5	1	4	1
4	1	5	1	6	5	0
1	0	6	5	1	1	8
2	3	1	8	5	8	1
0	9	1	2	3	1	4





4	5	6
3	6	8
9	9	6

4	3	3
3	3	3
4	3	4

The correct answer is:

4	6	5
6	6	8
9	8	8
	6	6 6

Question 14
Correct
Mark 1.00 out of 1.00

What value would be in place of question mark? Here we see a convolutional function being applied to input.

Here we see a convolutional function being applied to input.

3

4

5

0 6

The correct answer is: 4

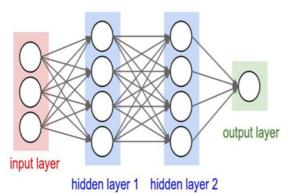
Question 15

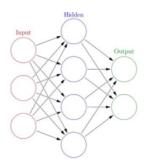
Correct

Mark 1.00 out of 1.00

For a binary classification problem, which of the following architecture would you choose?

1.





- 0 1
- O 2
- Any one of these
- None of these

The correct answer is: Any one of these