

P.V.P Siddhartha Institute of Technology					Signature of Invigilator with date:	Marks Obtained:	
Department of Computer Science and Engineering							
Course: B.Tech	Year: IV	Semester: I	Objective: I				
Regulation: PVP20	Maximum Marks:10Marks		Session: F.N				
A.Y:2023-24	Date: 11-9-2023	Duration: 20 min					
Subject Code: 20CS4701A		Subject Name: Deep Learning					
Registered Number:			Name:				
Answer all the Questions. Each Question carries ½ Mark					20×½ M =10M		
S.No	Question				CO	Level	Answer
1.	How many layers Deep learning algorithms are constructed?				CO1	L2	
	a) 2	b) 3	c) 4	d) 5			
2.	Which of the following is a subset of machine learning?				CO1	L2	
	a) SciPy	b) Numpy	c)Deep Learning	d)All the above			
3.	Identify the kind of learning algorithm for “facial identities for facial expressions”.				CO1	L2	
	a) Prediction	b)Recognition patterns	c) Recognizing anomalies	d) Generating patterns			
4.	Identify the type of learning in which labelled training data is used.				CO1	L2	
	a)Semi unsupervised learning	b) Supervised learning	c)Reinforcement learning	d) Unsupervised learning			
5.	In CNN, having max pooling always decrease the parameters?				CO1	L2	
	a) True	b) False	c) Both	d) None			
6.	Which of the following is not the promise of artificial neural network?				CO1	L2	
	a) It can explain result	b) It can survive the failure of some nodes	c) It has inherent parallelism	d) It can handle noise			
7.	Which of the following is true for neural networks? (i) The training time depends on the size of the network. (ii) Neural networks can be simulated on a conventional computer. (iii) Artificial neurons are identical in operation to biological ones.				CO1	L2	
	a) All of the mentioned	b) (ii) is true	c) (i) and (ii) are true	d) None of them			
8.	What consist of Boltzmann machine?				CO1	L2	
	a) stochastic update	b) Asynchronous operation	c) Fully connected network with both hidden and visible units	d) All of the Above			
9.	What is back propagation?				CO1	L2	
	a) It is another name given to the curvy function in the perceptron	b) It is the transmission of error back through the network to adjust the inputs	c) It is the transmission of error back through the network to allow weights to be adjusted so that	d) None of the mentioned			

			the network can learn.				
10.	Automated vehicle is an example of _____.				CO1	L2	
	a) Supervised learning	b) Unsupervised learning	c) Active learning	d) Reinforcement learning			
11.	What is a Boltzman machine?				CO1	L2	
	a) A feedback network with hidden units	b) A feed forward network with hidden units	c) A feedback network with hidden units and probabilistic update	d) A feed forward network with hidden units and probabilistic update			
12.	CNN is mostly used when there is an?				CO1	L2	
	a) structured data	b) unstructured data	c) Both A and B	d) None of the above			
13.	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?				CO1	L2	
	a) 20x20	b) 21x21	c) 22x22	d) 25x25			
14.	Which neural network has only one hidden layer between the input and output?				CO1	L2	
	a) Shallow neural network	b) Deep neural network	c) Feed-forward neural networks	d) Recurrent neural networks			
15.	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 ( $p_1, p_2, \dots, p_k$ ) such that sum of p over all n equals to 1?				CO1	L2	
	a) Softmax	b) ReLu	c) Sigmoid	d) Tanh			
16.	How many layers are there in Autoencoder?				CO1	L2	
	a) 1	b) 3	c) 5	d) 2			
17.	Autoencoders are capable of learning nonlinear manifolds (a continuous, non-intersecting surface.)				CO1	L2	
	True	b) False					
18.	Select the correct option. A. Supervised learning methods include autoencoders. B. The output and input of the autoencoder are identical.				CO1	L2	
	a) Both are False.	b) A- True B-False	c) A-False B-True	d) Both are True.			
19.	What is the main limitation of standard feedforward neural networks when it comes to handling sequential data?				CO1	L2	
	a) They cannot process input data sequentially	b) They require excessive memory	c) They lack the ability to capture temporal dependencies	d) They have too many hidden layers			
20.	In which ANN, loops are allowed?				CO1	L2	
	a) Feed-Forward NN	b) Both A and D	c) None of these	d) Feedback NN			