DEPARTMENT OF CSE- AI & ML

III-II B.Tech MID-I EXAMINATONS

SUBJECT: DEEP LEARNING

S.NO	QUESTION	CO NO	Cognitive level	Marks
1	a) What is supervised learning? What is mostly consisting it? What are more exotic variants in it? b) Evaluate the machine-learning models with illustration.	CO1	understanding	10M
2	a) Categorize the unsupervised learning. Explain each in detail. b) Explain the random forests and Gradient boosting machines in short.	CO1	Understanding & Analysing	10M
3	a) Define Artificial intelligence. Explain about Kernel methods. b) How to reduce the network's size in Over-fitting and under-fitting? Explain.	CO1	understanding	10M
4	a) Explain the history of Machine learning. b) What are Training, validation, and test sets? How these terms are used in KFold Validation.	CO1	Analysing	10M
5	What is probabilistic modeling? Describe the early neural networks	CO1	Analysing	10M
6	What is Dropout? How it is using as techniques for neural network?.	CO1	Analysing	10M

S.NO	QUESTION	CO NO	Cognitive level	Marks
1	Examine how deep learning is incorporated into human language applications.	CO2	understanding	10M
2	How artificial neurons are networked together to approximate an output for any given input?	CO2	Analysing	10M
3	a) Justify Deep Learning Networks Learn Representations Automatically. b) b) Define Backpropagation. Explain the Tuning Hidden-Layer Count and Neuron Count in Backpropagation	CO2	Analysing	10M
4	Discuss the Regression model. Show the Regression model network architecture with fitting of it.	CO2	Analysing & understand	10M
5	Define Artificial Neural Networks. Examine the intricacies of artificial neurons.	CO2	Analysing	10M
6	Explain the Softmax Layer of a Fast Food-Classifying Network	CO2	understanding	10M

S.NO	QUESTION	CO NO	Cognitive level	Marks
1	How to Loading the IMDB dataset? Discuss about The IMDB dataset.	CO3	understanding	10M
2	a) What are activation functions, and why are they necessary? Explain. b) Compare and Contrast the Binary classification and Multiclass classification.	CO3	understanding	10M
3	Demonstrate the Keras, Tensor Flow, Theano, and CNTK with illustration.	CO3	Analysing	10M