UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
End Semester Examination, December 2021

Course: Deep Learning   **Semester: VII**
Program: B.Tech-CS- Big Data   **Time: 03 hrs.**
Course Code: CSBD4004P   **Max. Marks: 100**

Instructions: all questions are compulsory

SECTION A		(5Qx 4M = 20 Marks)	
S. No.	Write short notes on the following [30-40 words]	Marks	CO
Q 1	Explain stump?	4	CO1
Q2	Identify and explain the different types of Learning methodology in ML.	4	CO1
Q3	Explain the concept of P value.	4	CO2
Q4	Differentiate between K-Mean & DBSCAN	4	CO3
Q5	Identify the disadvantages of random forest?	4	CO2
SECTION B (Scan and upload) (4Qx10M = 40 Marks)			
	All questions are compulsory [100-150 words]	Marks	CO
Q6	Elaborate on architecture of Deep Neural Network	10	CO3
Q7	Identify at least 3 Deep learning Algorithm	10	CO2
Q8	Identify the design of YOLO	10	CO4
Q9	Differentiate between classification and clustering with examples Or Differentiate between Decision Tree & Random Forest	7+3	CO4
SECTION-C (Scan and upload) (2Qx 20M= 40 Marks)			
	Q10 is compulsory and choose any 1 question from Q11 [200+ words]	Marks	CO
Q 10	Explain in detail the working principal of ADABOOST with example.	15+5	CO5
Q11	Explain in detail the architecture of CNN. Or Explain in detail the application of CNN with any proper example	20	CO5