



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

Course: Deep Learning
Program: B.Tech-CS- DevOps
Course Code: CSBD4004P

Semester: VII
Time: 03 hrs.
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 |