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School of University Polytechnic

Diploma in Computer Science and Engineering

Mid Term Examination - Nov 2023

Duration : 90 Minutes

Max Marks : 50

Sem III - N1DC301B - Fundamentals of Artificial Intelligence and Machine LearningGeneral Instructions*Answer to the specific question asked**Draw neat, labelled diagrams wherever necessary**Approved data hand books are allowed subject to verification by the Invigilator*

- 1) Compare and contrast Artificial intelligence, Machine Learning, and Deep Learning differ from each other? K2 (2)
 - 2) What do you mean by Cross-Validation? K1 (3)
 - 3) Explain reinforcement learning? K2 (4)
 - 4) Summize the applications of Artificial Intelligence in Gaming. K2 (6)
 - 5) Model and classify the Supervised Learning K3 (6)
 - 6) Identify the applications of Artificial Intelligence in Robotics. K3 (9)
 - 7) Examine the Impact of Outliers on Logistic Regression? K4 (8)

 - 8) Examine the function of Machine Learning. Mention some of its features. K4 (12)
- OR**
- Classify the types of Machine Learning. K4 (12)