3. What are some common metrics used to evaluate the performance of a machine learning model during hyperparameter tuning? (4 marks)

Unit 5

4. How does CRC (Cyclic Redundancy Check) coding improve data integrity in digital systems, and what are its limitations? (6 marks)

4. How can Grid Search be modified to account for computational costs, and what are some alternative methods for hyperparameter optimization? (6 marks)