

## Advanced Programming March 2020 Expanded RQ

In relation to the research you have undertaken for this question; select ONE programming language from each list below:

List 1: **C#, Python, JavaScript, SQL, Julia, Kotlin, Go, R, COBOL**

List 2: **Scala, Groovy**

e.g. SQL and Groovy.

Produce a report discussing, for each chosen language, the following issues using sample code where appropriate:

- (i) programming models supported;
- (ii) typing model;
- (iii) application types;
- (iv) functional programming support;
- (v) Algebraic Data Types.

**[50]**

**Word Count Limit – 2000**

**Submission – Tuesday 12<sup>th</sup> May 2020 17:00**

Submission guidelines will be announced through GCULearn.