## Candidate 3

The evidence for this candidate has achieved the following marks for each question of this course assessment component.

## Question 1 (b) (i)

The candidate was awarded **1 mark** because their response refers to ease of date entry using both methods.

## Question 1 (b) (ii)

The candidate was awarded **2 marks** because their response demonstrates accurate explanation of insertion sort that refers to the data provided.

## Question 1 (c) (i)

The candidate was awarded **3 marks** because their response indicates the correct structure of the <FORM> tag, the correct structure of the <INPUT> tag for username and password and the correct structure of the <INPUT> tag for the submit button.

## Question 1 (c) (ii)

The candidate was awarded **2 marks** because the form data has been assigned correctly and the correct SQL INSERT INTO statement was indicated.

## Question 2 (a)

The candidate was awarded **2 marks** because the scope and constraints have been correctly identified from the information provided in the scenario.

## Question 2 (b) (i)

The candidate was awarded **1 mark** because they identified issues with Intellectual Property Rights which breaches Copyright, Design and Patents Act.

## Question 2 (c) (i)

The candidate was awarded **1 mark** because the SQL CREATE statement has been used correctly.

## Question 2 (c) (ii)

The candidate was awarded **2 marks** because the correct SQL query was used.

## Question 3 (a) (i)

The candidate was awarded **4 marks** because they explained the difference between a class and an object, encapsulation and inheritance by making appropriate reference to details provided in the UML class diagram.

## Question 3 (a) (ii)

The candidate was awarded **1 mark** because the team object has been instantiated by making appropriate use of the team name, anthem and flag value (Java).

## Question 3 (b)

The candidate was awarded **2 marks** because declaration indicates use of array of Athlete objects and correct dimension (Java).

## Question 3 (c) (i)

The candidate was awarded **1 mark** because they provided the correct output.

## Question 3 (c) (ii)

The candidate was awarded **2 marks** because their explanation of procedure call makes appropriate use of object oriented terminology.

## Question 3 (d) (ii)

The candidate was awarded **1 mark** because the necessary updating of the list pointers has been indicated but no mention has been made of the node needed to store the data for Russia.

## Question 4 (a) (i)

The candidate was awarded **2 marks** because the correct structure of records and correct dimensioning of array of records was mentioned although the importing of data from file was not.

## Question 4 (a) (ii)

The candidate was awarded **3 marks** because the complex condition for loop is correct and the comparison within loop makes appropriate updates and an attempt to display pupil details has been made. However, initialising of variables is incorrect and indexing of array of records is incomplete.

## Question 4 (c)

The candidate was awarded **1 mark** because the correct sort method was indicated although the select condition is incorrect.

## Question 4 (d)

The candidate was awarded **2 marks** because the explanation refers to efficiency of quicksort for big lists and uses Big O notation to justify this.