**Unit 11 : Programming**

Homework: Week 2 (23 Jan 2023 to 29 Jan 2023)

1. In programming, CASE and IF statements are frequently used to test and validate different choices. Briefly explain when would it be appropriate to use CASE or IF statements

[2 Marks].

When there are two different choices to be made

2) Write a **CASE statement** in Pseudo Code to prompt user input a number (1, 2 or 3) and print the number entered entered by the user. Output an error message (“Invalid Number”) if the number entered is not 1, 2 or 3

[4 Marks]

DECLARE choice : INTEGER

OUTPUT “Please enter your choice”

INPUT choice

CASE choice OF

1 : OUTPUT “Routine 1”

2 : OUTPUT “Routine 2”

3 : OUTPUT “Routine 3”

4 … 6 : OUTPUT “Routine not written”

10 : Exit

OTHERWISE OUTPUT “Invalid Number”

3) Write Pseudo code using a pre-condition while loop to prompt user to enter a password. Keep prompting user to enter the password until the password entered by the user equals 1234

[4 Marks]

REPEAT password UNTIL

REPEAT

OUTPUT “Enter value”

INPUT password

UNTIL password = 1234