



**UNIVERSITY OF MORATUWA**

**ITE 1112**

Faculty of Information Technology

Bachelor of Information Technology (BIT) External Degree

**ITE 1112: Visual Application Programming - Practical Exam**

**Time Allowed: 1 hour**

**August 2019**

**Q1** Write a program to accept as input the student name and registration number, followed by the names and credit ratings (which may be between 3 and 5) for the five modules taken in the semester, and the grade obtained for each module.

The grade points (GP) for each grade are as follows:

A = 4.0

B = 3.0

C = 2.0

D = 1.0

F = 0

The program should then calculate the Semester Grade Point Average (SGPA) as follows:

$$\text{SGPA} = \frac{[(\text{Credits of Module1} \times \text{GP earned}) + (\text{Credits of Module2} \times \text{GP earned}) + (\text{Credits of Module3} \times \text{GP earned}) + (\text{Credits of Module4} \times \text{GP earned}) + (\text{Credits of Module5} \times \text{GP earned})]}{\text{Total Number of Credits}}$$

The program should then display the SGPA. If the SGPA is less than 2.00 there should be a warning that the student's performance is not satisfactory.

**[100 Marks]**

----End of the Question Paper----