Sri Lanka Institute of Information Technology
B. Sc (Hons). Degree in IT
Year 1 – Semester 1 – 2020 – September Intake
Introduction To Programming (IT1010)
Online 2
Version E

Time : 1 hour 15 min

1) Write a C program to input a series of marks terminated by -99. If the marks are invalid (>100 or <0) you should print an error message and reenter the marks. Calculate the minimum mark and maximum mark entered.

(10 marks)

*Save your program as **ITXXXXXXa.c***

2) Write a C program to convert the angle given in degrees to radians.
Implement a function called `findRadianValue()` to convert the angle given in degrees to radians.
Function prototype is given below.

```
float findRadianValue(float angleInDegrees);
```

Use the below formula to convert degrees to radians.

radian = pi/180*degrees where pi = 22/7

Implement another function called `printRadianValues()` to print the radian of the given angles in degrees by using findRadianValue() function.

Function prototype is given below

```
void printRadianValues(void);
```

Display your answer in the below format.

Angle(degrees)	Angle(radians)
100	…….
120	…….
140	…….
160	…….
180	…….
200	…….....

In your main function call `printRadianValues()` function to display the result.

*Save your program as **ITXXXXXXb.c*** (10 marks)