



COURSE TITLE: CIS202– Introduction to Programming

SEMESTER TWO: FINAL EXAMINATION ONLINE MAY/JUNE 2020

LECTURER: MR J.CHINZVENDE

TIME: 48 HOURS

INSTRUCTIONS

Answer questions instructed in each section

Start **each** question on a new page.

The marks allocated to **each** question are shown at the end of the section.

Answer any two questions

Credit will be awarded for logical, systematic and neat presentations.

In all questions design a visual basic program and then paste the interface and code in a word document which is your answer file. The answer file must have your student number file name. You then upload your answer file to Moodle

Section A (Answer any TWO questions)

Question One

Create a Windows application with two button controls. In the click event for the first button, declare two Integer variables and set their values to any number that you like. Perform any math operation on these variables and display the results in a message box. In the click event for the second button, declare two String variables and set their values to anything that you like. Perform a string concatenation on these variables and display the results in a message box.

Question Two

Create a Windows application with a text box and a button control. In the button's click event, display three message boxes. The first message box should display the length of the string that was entered into the text box. The second message box should display the first half of the string, and the third message box should display the last half of the string.

Question Three

Create a Windows Application with a text box and a Button control. In the Click event of the Button, extract the number from the text box and use a Select Case statement with the numbers 1 through 5. In the Case statement for each number, display the number in a message box. Ensure that you provide code to handle numbers that are not in the range of 1 through 5.

Question four

Create a Windows Application that contains a ListBox control and a Button control. In the Click event for the button, create a For . . . Next loop that will count from 1 to 10 and display the results in the list box. Then create another For . . . Next loop that will count backwards from 10 to 1 and also display