MID-SEMESTER EXAMINATION

PROGRAMMING IN C++

(ICT B-TECH 1)

SECTION A: (*This section is practical and must be answered entirely on the C++ text editor*)

1. Write your name, index number and date in comments on the C++ text editor.
2. Write a program for a hotel that takes in the following input:
   a. The name of the staff.
   b. The level of the staff (The staff can be either a junior staff or senior staff).
   c. The number of years the staff has worked at the hotel.

   According to the management of the hotel, every staff that has spent more than two years is entitled to 12% increase in his or her salary as a way of encouraging staff commitment and loyalty. If the basic monthly salary of Junior staff is GHC1,500.00 and the basic monthly salary of the Senior staff is GHC3,500.00, write a program that **computes** and **displays** the **name** and **total monthly salary** of a worker depending on the level of the staff and the number of years the staff has spent at the hotel.

SECTION B: (*This section must be answered on the answer sheet*)

State whether each of the following is true or false. Assume the statement using **cout;** is used.

a. Comments cause the computer to print the text after the // on the screen when the program is executed.
b. The escape sequence \n, when output with cout and the stream insertion operator, causes the cursor to position to the beginning of the next line on the screen.
c. All variables must be given a type when they are declared.
d. All variables must be declared before they are used.
e. C++ considers the variables **number** and **NuMbEr** to be identical.
f. Every C++ statement begins with a semicolon (;).