****

**GARISSA UNIVERSITY**

**UNIVERSITY EXAMINATION 2017/2018 ACADEMIC YEAR TWO**

**THIRD SEMESTER EXAMINATION**

**SCHOOL OF BUSINESS AND ECONOMICS**

**FOR THE DEGREE OF BACHELOR OF BUSINESS MANAGEMENT**

**COURSE CODE: BBM 220**

**COURSE TITLE: INTRODUCTION TO COMPUTER PROGRAMMING**

**EXAMINATION DURATION: 3 HOURS**

**DATE: 06/08/18 TIME: 09.00-12.00 PM**

**INSTRUCTION TO CANDIDATES**

* **The examination has SIX (5) questions**
* **Question ONE (1) is COMPULSORY**
* **Choose any other THREE (3) questions from the remaining FIVE (5) questions**
* **Use sketch diagrams to illustrate your answer whenever necessary**
* **Do not carry mobile phones or any other written materials in examination room**
* **Do not write on this paper**

**This paper consists of THREE (3) printed pages *please turn over***

**QUESTION ONE (COMPULSORY)**

1. Differentiate between machine language and low level language **[13 marks]**
2. Differentiate between an interpreter and the compile **[6 marks]**
3. With the aid of a C statement describe two types of comments **[2 marks]**

**QUESTION TWO**

1. Write a C program that would reserve a room when available and Exit after use. **[10 marks]**
2. Write a program in C that prompts the user to enter an integer. The program should then determine whether the input is odd or even and output the appropriate massage **[5 marks]**

**QUESTION THREE**

1. State and Explain five types of errors which are common in programming **[10 marks]**
2. b. Draw a flowchart that shows how to solve a quadratic equation **[5 marks]**

**QUESTION FOUR**

1. Give two advantages and two disadvantages of low level language**. [4 marks]**
2. Differentiate between an source code and object code **[6 marks]**
3. With the aid of a C statement describe two types of comments **[5 marks]**

**QUESTION FIVE**

1. Draw a flowchart that helps you to write a program that prompts the user to calculate the area and circumference of a circle. [**5 marks]**
2. Compute and display both the area and a parameter. The output should be in the format shown below

CIRCLE

Radius =

Circumference =

Its area is [**5 marks]**

1. Write a program in C that gives the grades as below 30 marks Fail. 30-40 E, 41-50 D, 51-60 C, 61-70 B, Above 80 A. **[5 marks]**

**QUESTION SIX**

1. Write a program in C to compute the Minimum number among three inputted integers **[10 marks]**
2. The following is a segment of a C program created by a student. Use it to answer the question that follows

main ()

(

int I;

for (I=1; I less than=50; I++)

if ("I% d ", I)/n;

)

1. Write the output generated when the program is corrected and executed **[5 marks]**