

**KIGALI INDEPENDENT UNIVERSITY ULK
SCHOOL OF SCIENCE AND TECHNOLOGY
DEPARTMENT OF COMPUTER SCIENCE
YEAR 1/HOLIDAYS BASED**

**GROUP ASSIGNMENT 1 OF UCM102: INTRODUCTION TO ICT
ACADEMIC YEAR 2022-2023**

DATE: 30/04/2023

MAXIMUM MARKS=10

INSTRUCTIONS:

1. Make groups of at most 8 students per group.
 2. It is strictly prohibited to copy from each other
 3. This assignment should be submitted in hard copies by **07/05/2023**
-

1. Justify the importance of internet for a student.
2. Complete the following: 147,456 bits=..... Bytes=.....KB=.....MB
3. Convert in binary number system the following decimal number: 294
4. Convert in decimal number system the following binary number: 1011101011
5. Do the following operation in binary number systems:

$$\begin{array}{r} 11011110 \\ - \quad 10111 \\ \hline \end{array}$$

Good Luck!!!