**KISII UNIVERSITY**

**UNIVERSITY EXAMINATIONS**

**FIRST YEAR EXAMINATION FOR THE AWARD OF THE DEGREE OF BACHELOR OF SCIENCE IN ACTUARIAL SCIENCE/APPLIED STATISTICS/PURE MATHEMATICS/MATHEMATICS AND COMPUTING AND BIOMETRY AND INFORMATICS**

**FIRST SEMESTER 2019/2020**

**(SEPTEMBER – DECEMBER,2019)**

**COMP 101: INTRODUCTION TO COMPUTERS**

**STREAM: Y1S1 TIME : 2HRS**

 **DAY: WEDNESDAY, 3.00 PM – 5.00 PM**

 **DATE: 04/12/2019**

**INSTRUCTIONS**

1. **Do not write anything on this question paper.**
2. **Answer question one and any other three questions**

**QUESTION ONE**

1. Explain the following terms as applied in computer systems: ( 5mks)
2. Computer
3. Computer network
4. Software
5. Computer Hardware
6. Data
7. Differentiate the following computer terms: (4mks)
8. File and folder
9. Drive and directory
10. Hardware and software
11. Save and save as
12. Perform the following operations (show your working)
13. Add binary number 101110 to 111011. (2mks)
14. Convert 4710 to binary (2mks)
15. Using appropriate examples differentiate between off-shelf software and tailor-made software. (3mks)
16. Using a diagram, describe the major parts of the computer system. (3mks)
17. Explain how secondary storage such as a hard disk complements the main memory of the computer. (3mks)
18. Using relevant examples differentiate between wired and wireless communication media. (3mks)

**QUESTION TWO**

1. Explain the impact of the computer systems and technology. (5mks)
2. Health care
3. Education
4. Science
5. Research
6. Business
7. Anderson a student at kisii university was asked by his lecturer to identify and classify five types of computers. Explain how he will solve the problem. (10mks)

**QUESTION THREE**

1. Discuss the use of application software in computers in performing various operations. You must show one advantage of using this applications in operations you will state as compared to manual operations. [8marks]
2. What is ICT? Explain the impact of ICT on the society. [7marks]

**QUESTION FOUR**

1. A computer as a collection of machines may be defined by the composition of its parts. Using a diagram, explain these parts of the computer. [7marks]
2. Explain the difference between application software and system software. [2marks]
3. Outline four services provided by a Local Area Software. [4marks]
4. Outline any four types of system software. [2mks]

**QUESTION FIVE**

1. Explain five benefits of the computer networking. [10marks]
2. State four things to avoid when working on a computer [4marks]
3. Explain the use of the following short cut keyboard functions. [1mark]
4. Ctrl + V
5. Ctrl + S