



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND
TECHNOLOGY**

UNIVERSITY EXAMINATION 2012/2013

1ST YEAR 1ST SEMESTER EXAMINATION FOR BACHELORS

DEGREES

(REGULAR)

COURSE CODE: SCS 3111

TITLE: COMPUTER APPLICATION AND ORGANISATION

DATE: 22/4/2013

TIME: 9.00-11.00AM

DURATION: 2 HOURS

INSTRUCTIONS

- 1. This paper contains FIVE (5) questions**
- 2. Answer question 1 (Compulsory) and ANY other 2 Questions**
- 3. Write all answers in the booklet provided**

QUESTION ONE

XYZ Company intends to open up a supermarket in one of the cities in Kenya. The management of this company prefer to computerize there stock control system. You are therefore required to advice the management and giving justification;

- a) The various types of input and output devices required (10 Marks)
- b) The merits and demerits of using computerized system (10 Marks)
- c) The kind of the operating system, utility software and application software required (10 Marks)

QUESTION TWO

- a) Highlight **FIVE** factors to consider when selecting a computer printer. (5 Marks)
- b) Describe the major computer generations and there characteristics (10 Marks)
- c) Name **FIVE** examples of high level languages (5 Marks)

QUESTION THREE

- a) Give reasons why Microsoft windows are popularly used operating system (6 Marks)
- b) Define the following terms as used in computer system;
 - i. Software suite (4 Marks)
 - ii. Computer chip (4 Marks)
 - iii. Memory register (4 Marks)
 - iv. Cache Memory (4 Marks)

QUESTION FOUR

- a) List **FIVE** advantages of tailored application software (10 Marks)
- b) Name the **THREE** popular coding systems in computer (6 Marks).
- c) Analyze the concept of GIGO as used in computer (4 Marks)

QUESTION FIVE

- a) Evaluate any **FIVE** threats and vulnerability to computer system (10 Marks)
- b) Discuss any **FIVE** measures that can be used to curb the above threats (10 Marks)