



GARISSA UNIVERSITY

**UNIVERSITY EXAMINATION 2017/2018 ACADEMIC YEAR ONE
FIRST SEMESTER EXAMINATION**

SUPPLEMENTARY/SPECIAL EXAMINATION

SCHOOL OF BUSINESS AND ECONOMICS

FOR THE DEGREE OF BACHELOR OF BUSINESS MANAGEMENT

COURSE CODE: BBM 101

COURSE TITLE: INTRODUCTION TO COMPUTERS

EXAMINATION DURATION: 3 HOURS

DATE: 19/03/18

TIME: 02.00-05.00 PM

INSTRUCTION TO CANDIDATES

- **The examination has SIX (6) 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)

- (a) Define a computer program [2 marks]
- (b) Explain two advantages and two disadvantages of secondary memory. [4 marks]
- (c) Software piracy is one of the unethical ICT behaviors in organizations. Explain two impacts of this unethical behavior. [4 marks]
- (d) Differentiate between bit and byte. [2 marks]
- (e) Give two uses of computer in medicine and healthcare. [3 marks]

QUESTION TWO

- (a) Explain three negative impacts of computer hacking in an organization [6 marks]
- (b) Outline five measures that could be implemented to determine the safety of software [5 marks]
- (c) Distinguish between a micro and a mini computer [4 marks]
- (d) Differentiate between application software from tailor made software [6 marks]
- (e) Differentiate between serial port and parallel port as used in computer [4 marks]

QUESTION THREE

- (a) Hardware safety is paramount in any given ICT infrastructure. Outline five benefits of practicing effective hardware safety measure in organization [5 marks]
- (b) Differentiate data from information. [2 marks]
- (c) What are the basic operations of a computer [3 marks]
- (d) Outline two advantages of using handheld scanners. [2 marks]
- (e) What is an analog computer and where is it applied [3 marks]



QUESTION FOUR

- (a) Differentiate between ROM and RAM. **[4 marks]**
- (b) Convert the following octal numbers to hexadecimal **[4 marks]**
- i. 173
 - ii. 325
- (c) Outline four challenges posed by the introduction of ICT in schools **[4 marks]**
- (d) State three characteristics of each of the following generations of computers in terms of hardware technology **[3 marks]**

QUESTION FIVE

- (a) Using one's complement perform the following $37_{10} - 13_{10}$ **[4 marks]**
- (b) Computers cannot work without an operating system. Outline four functions of an operating system to justify this statement **[4 marks]**
- (c) Outline three types of computer. **[5 marks]**
- (d) Give one advantages of using a magnetic disk as a computer storage medium. **[2 marks]**

QUESTION SIX

- (a) Majority of Kenyan homes have computers. Explain three challenges that these computer owners could be facing **[6 marks]**
- (b) Explain three types of data communication options. **[3 marks]**
- (c) Explain three benefits of cloud computing in organizations **[6 marks]**

