



KISII UNIVERSITY

UNIVERSITY EXAMINATIONS

MAIN CAMPUS

FIRST YEAR EXAMINATION FOR THE AWARD OF
THE DEGREE OF BACHELOR OF COMMERCE/
BUSINESS AND MANAGEMENT/ PURCHASING AND SUPPLIES
MANAGEMENT, ACTUARIAL SCIENCE/COOPERATIVE MANAGEMENT
SECOND SEMESTER 2014/2015
(JANUARY - APRIL, 2015)

BCOM 172 : FUNDAMENTALS OF COMPUTER SYSTEMS

STREAM: BACS, BCOM, BBAM, BPSM, COOP Y1S2 TIME: 2 HOURS

DAY: MONDAY, 10.30-12.30 PM

DATE: 30/03/2015

INSTRUCTIONS

1. Do not write anything on this question paper.
2. Answer question ONE [1] and any other TWO [2] questions.

QUESTION ONE [COMPULSORY] 30 MARKS

- (a) List and explain five types of computers as used in business using Kisii University as your case. [10 marks]
- (b) Using relevant examples distinguish between the following component of a computer system.
 - (i) Input and Output devices
 - (ii) Secondary and Primary storage
 - (iii) Hardware and software [6 marks]
- (c) Explain how the following applications software can be used in a business environment:
 - (i) Electronic spreadsheet
 - (ii) Database management system
 - (iii) Presentation software [6 marks]
- (d) Giving suitable example, critically analyse system and application software. [4 marks]
- (e) Discuss the functions of Arithmetic and logic unit and control unit. [4 marks]

QUESTION TWO

- (a) With suitable examples, critically evaluate system and application software
- (i) System analyst and designer
 - (ii) Software programmer
 - (iii) Web designer
 - (iv) System administrator
 - (v) Graphic designer
- [10 mark]
- (b) Discuss the functions of Arithmetic and logic unit and control unit.

QUESTION THREE ✓

- (a) With suitable examples, distinguish between volatile and non-volatile memories. [6 marks]
- (b) As information Technology manager advise the management of Kisii University where to deploy the following types of printers. [6 marks]
- (i) Laser jet
 - (ii) Dotmatrix
 - (iii) Plotter
- (c) Describe a computer network. [2 marks]
- (d) You have recently appointed as a network coordinator at a local college, advise the college's management on why it is necessary to establish a Local Area Network. [6 marks]

QUESTION FOUR ✓

- (a) Explain the following terminologies as used in communication. [6 marks]
- (i) Intranet
 - (ii) Extranet
 - (iii) Internet
- (b) Explain the benefits of the following to a business. [10 marks]
- (i) Website
 - (ii) Email
 - (iii) Search engines
 - (iv) E-Commerce
 - (v) File transfer protocol
- (c) Describe any two email software that are used in business. [4 marks]

QUESTION FIVE

- (a) Explain the benefits of using computers in the following domains.
- (1) Computers in Business
 - (2) Computers in the home
 - (3) Computers in Education
- [6 marks]
- (b) List and explain four challenges resulting from the use of computers.
- [8 marks]
- (c) As a new Chief Information Officer of your institution, advice the staff on the safe use of computers.
- [6 marks]