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KIRIRI WOMENS' UNIVERSITY OF SCIENCE AND TECHNOLOGY
UNIVERSITY EXAMINATION, 2019/2020 ACADEMIC YEAR
FIRST YEAR, FIRST SEMESTER EXAMINATION
FOR THE DEGREE OF BACHELOR SCIENCE
BUSINESS ADMINISTRATION

Date: 4th December, 2019
Time: 8.30am – 10.30am

KBA 107 – INTRODUCTION TO MICRO – COMPUTERS

INSTRUCTIONS TO CANDIDATES

ANSWER QUESTION ONE (COMPULSORY) AND ANY OTHER TWO QUESTIONS

QUESTION ONE (30 MARKS)

- a) Describe the functions of microcomputer (4 Marks)
- b) Briefly describe the functions of computer operating systems (8 Marks)
- c) Explain the meaning of secondary storage and state how it differs from main storage (8 Marks)
- d) Perform the following conversions
 - i) 2538_{10} into Hexadecimal number (5 Marks)
 - ii) 10010110_2 into octal number (5 Marks)

QUESTION TWO (20 MARKS)

- a) The traditional classification of computers was mainly based on physical size. Generate the classes of computers based on this factor (10 Marks)
- b) A computer is a machine that works predominantly on the software programs. State the types of software that you know and give their functions (10 Marks)

QUESTION THREE (20 MARKS)

Briefly differentiate between:

- a) Mainframe computer (4 Marks)
- b) Super computer (4 Marks)
- c) Microcomputer (4 Marks)
- d) Second and third generation computers (8 Marks)

QUESTION FOUR (20 MARKS)

Compare and contrast the following input devices:

- a) Keyboard (5 Marks)
- b) Scanner (5 Marks)
- c) Mouse (5 Marks)
- d) Digitizer (5 Marks)

QUESTION FIVE (20 MARKS)

- a) Draw the block diagram of a computer's CPU and explain its components (10 Marks)
- b) Explain the arguments against use of computers in organizations (10 Marks)