(*Knowledge for Development*)

KIBABII UNIVERSITY

(KIBU)

UNIVERSITY EXAMINATIONS

2017/2018 ACADEMIC YEAR

END OF SEMESTER EXAMINATIONS

YEAR ONE SEMESTER ONE EXAMINATIONS

FOR THE CERTIFICATE IN INFORMATION TECHNOLOGY

COURSE CODE :   CCR/CSD 004

COURSE TITLE :   COMPUTER APPLICATION

EXAMS

DATE: 04/10/2018   TIME: 8.00A.M. – 10.00A.M.

INSRUCTIONS TO CANDIDATE

ANSWER QUESTION ONE AND ANY OTHER TWO

QUESTION ONE (COMPULSORY) [24 MARKS]

a) Define the following terms as used in computer   [10 marks]
   - i. Data
   - ii. Information
   - iii. Hardware
   - iv. Software
   - v. Computer system

b) Central Processing Unit is the brain of a computer system. It is responsible for activating and controlling the operations of the units of the computer system. Briefly describe the components of the CPU and their functions   [6marks]

c) State and differentiate between the first four computer generations   [8marks]

QUESTION TWO [18 MARKS]

a) Describe any four elements of a computer system   [4marks]

b) Computer memories are classified into two categories. State and briefly describe them and give two examples of each category   [6marks]

c) Give six limitations of computers   [6marks]

d) Explain the term volatile memory in relation to RAM   [2marks]

QUESTION THREE [18 MARKS]

a) State and explain three types of microcomputer   [6marks]

b) Briefly describe the following input/output devices   [3marks]
   - i. Visual Display Unit (VDU)
   - ii. Scanner
   - iii. Mouse

c) Give two examples of application software and describe their use   [3marks]

d) What are the three general functions of input units   [6marks]

QUESTION FOUR [18 MARKS]

a) Explain using illustrations the data processing cycle   [4 marks]

b) How are computers classified? Give examples according to the classification   [6 marks]

c) Describe the four functional areas of computers main memory   [8 marks]

QUESTION FIVE [18 MARKS]

a) Differentiate between OCR and MICR   [2 marks]

b) Describe the following types of printers   [4 marks]
   - i. Daisy wheel
   - ii. Laser

c) Differentiate between the following types of primary memory   [4 marks]
   - i. RAM and ROM

ii. PROM and EPROM

d) State and explain FOUR functions of operating systems   **[8 marks]**