TECHNICAL UNIVERSITY OF MOMBASA

FACULTY OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF ELECTRICAL AND ELECTRONIC ENGINEERING

EEE2103 COMPUTER PROGRAMMING

DEEE2

SERIES: MAY 2016

Instructions

- This paper consists of FIVE questions
- Answer any THREE questions
- All Questions carry equal marks

QUESTION ONE

(a)   Explain the following terms as used in databases

      i.   field
     ii.   record
    iii.   report   (6 marks)

(b)   Describe the procedure for creating each of the following in Ms Access:

      i.   A table
     ii.   A form   (10 marks)

(c)   Distinguish between a query and a page in Ms Access   (4 marks)

QUESTION TWO

(a) (i) State any THREE presentation software

  (ii) Explain any FOUR features of presentation software   (11 marks)

(b)   Explain the procedure in each of the following in Ms PowerPoint

      i.   Naming and saving a presentation
     ii.   Inserting a new slide
    iii.   Adding and formatting a text
    iv.   Adding clip art   (9 marks)

QUESTION THREE

(a)   Distinguish between batch processing and real time processing giving ONE application for case.

                                                                                   (6 marks)

(b)   Draw a block diagram and describe distributed computing   (6 marks)

(c)(i) Explain the operation of a time sharing system

  (ii) Explain any TWO factors in selecting a processing technique   (8 marks)

QUESTION FOUR

(a) With ONE example in each case explain the following programming languages

    i.   Structured programming
    ii.   Event driven programming
    iii. Website development languages   (12 marks)

(b) Distinguish between fourth generation and fifth generation programming languages giving ONE example for each case   (8 marks)

QUESTION FIVE

(a) Explain THREE attributes of an operating system   (6 marks)

(b) Describe the classification of the following:
    i.   Application software
    ii.   System software   (8 marks)

(c) Explain the functions of the following:
    i.   WAN
    ii.   LAN
    iii. MAN   (6 marks)