



TECHNICAL UNIVERSITY OF MOMBASA
INSTITUTE OF COMPUTING AND INFORMATICS

Select department

UNIVERSITY EXAMINATION FOR:
DEESEP2017/J-FT
EIT 2101: COMPUTER APPLICATION
SPECIAL/ SUPPLEMENTARY EXAMINATION

SERIES: SEPTEMBER 2018

TIME: 2HOURS

DATE: Sep 2018

Instructions to Candidates

You should have the following for this examination

-Answer Booklet, examination pass and student ID

This paper consists of **FIVE** questions. Attempt question ONE (Compulsory) and any other TWO questions.

Do not write on the question paper.

Question ONE

- a) Using a well labeled diagram, describe the overall functioning of the Central Processing Unit (CPU) (15 marks)
- b) List FIVE factors to consider when buying a computer (5 marks)

Question TWO

- a) Distinguish between SYSTEM SOFTWARE and APPLICATION SOFTWARE (4 marks)
- b) There are FIVE fundamental activities that are performed using application software like MS-WORD and others. Name them (5 marks)
- c) Describe **thesaurus** as applied in ms-word (2 marks)
- d) Describe the procedure for inserting tables in MS-WORD (5marks)
- e) Distinguish between **editing** and **formatting** as applied in application software (4 marks)

Question THREE

- a) Highlight any FIVE services offered by the Internet (5 marks)
- b) Distinguish between ROM and RAM types of memories (6marks)
- c) Describe FIVE ways in which computers are applied in education field today (5 marks)
- d) State any FOUR unique features of the Fifth generation of computers (4 marks)

Question FOUR

- a) Define **computer operating system** (2 marks)
- b) Explain any FIVE functions of operating systems (10 marks)
- c) Describe any FOUR factors to consider when selecting an operating system (8 marks)

Question FIVE

- a) Define spreadsheet (2 marks)
- b) Distinguish between electronic and manual spreadsheet (4 marks)
- c) List any FOUR types of spreadsheet software (4 marks)
- d) The formula for sum of cells B3 and C3 is SUM (B3;C3) in cell D3. Using relative cell referencing, write down the formula for the sum in cell D4 (2 marks)
- e) Outline the procedure for inserting a chart in MS-EXCEL (6 marks)
- f) Differentiate between SORTING and FILTERING in MS-EXCEL (2 marks)