



kasneb

CICT PART I SECTION I

INTRODUCTION TO COMPUTING

MONDAY: 27 November 2017.

Time Allowed: 3 hours.

Answer ALL questions. Marks allocated to each question are shown at the end of the question.

QUESTION ONE

- (a) The EBCDIC code was an effort to standardise information interchange between different brands of computer hardware.

Required:

Complete the following table clearly showing your working where necessary:

<u>Character</u>	<u>Decimal index</u>	<u>Binary equivalent</u>
B	66	?
C	99	?
Space	?	11111111
0 (Zero)	?	?
9	?	?

(7 marks)

- (b) Computer networks have two dimensions for classification namely; transmission technology and scale.

Required:

- (i) Suggest two examples of each classification. (2 marks)
- (ii) Outline four distinctive properties of home networks. (4 marks)
- (c) (i) Summarise three differences between online data processing system and batch data processing system. (3 marks)
- (ii) Identify four advantages of random file organisation method. (4 marks)

(Total: 20 marks)

QUESTION TWO

- (a) Suggest four features which you might consider when buying a computer keyboard. (4 marks)
- (b) Compare “blue-ray disks” and “standard DVD optical storage devices” under the following:
- (i) Storage capacity. (2 marks)
- (ii) Cost. (2 marks)
- (iii) Availability. (2 marks)
- (c) Outline five steps of the booting process of a computer system. (5 marks)
- (d) Explain five purposes of computer software configuration management. (5 marks)

(Total: 20 marks)

