

## BBM 102: Introduction to Computer Science

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**INSTRUCTIONS: Answer Any Four Questions**


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**QUESTION 1**

- a) Define computer and explain the functions of any four output devices [10 Marks]
- b) Explain any five areas where computers are used and describe their impact on information processing today. [10 Marks]
- c) Differentiate and explain the functions of any five types of computer memory. [5 Marks]

**QUESTION 2**

- a) Differentiate and explain the functions of any five computer registers [10 Marks]
- b) Define computer software and with relevant examples, explain the role of any five different types of popular computer software [15 Marks]

**QUESTION 3**

- a) Differentiate any five types of computers [5 Marks]
- a) Differentiate the various computer generations [10 Marks]
- b) Explain the classifications of programming languages [10 Marks]

**QUESTION 4**

- a) Explain the role of system utility programs and discuss how they are used to manage and maintain the performance of computers. [10 Marks]
- b) Identify and explain the counter measures for the various threats to computer hardware and to the users that have emerged with their increased usage. (15 marks)

**QUESTION 5**

- a) Explain the rationale for 'default settings' and identify five of the settings found in a windows operating system. (10 marks)
- b) Define and explain the functions of the following computer CPU parts and outline why their capacity should be considered when buying computers;
  - (i) processor
  - (ii) main memory
  - (iii) Arithmetic logic unit
  - (iv) Registers
  - (v) Control unit. (15 marks)

**QUESTION 6**

- a) Explain the importance of computer networking and describe three networking classifications. (10 marks)
- b) Identify and describe the different types of networking topologies with the aid of diagrams. (10 marks)
- c) Explain the role of protocols that are followed in wide area networks. (5 mks)