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INTERMEDIATE LEVEL	
SUBJECT	INFORMATION TECHNOLOGY
DATE	25 APRIL 2022
TIME	3 HOURS
MARKS	100
EXAM TYPE	CLOSED BOOK

AA IOB
Alliance of African Institutes of Bankers

INSTRUCTIONS TO CANDIDATES

1. Read the instructions CAREFULLY before answering the paper
2. Answer any five (5) questions
3. Start each question on a fresh page
4. Please number your answers
5. Please be neat – illegible handwriting cannot be marked
6. Use black or blue ink
7. Ensure that all information on the cover of your answer book is completed in full.
8. Cheating is not allowed. If anyone is caught cheating, disciplinary measures will be taken by the Institute of Bankers.

GOOD LUCK !

Question 1

(a)   Identify the two main components of the Central Processing Unit (CPU).

(4 Marks)

(b)   Describe the role of each of the two main components identified above, in the processing of information.   **(6 Marks)**

Question 2

Computers can transmit data between devices using a variety of methods:

(a) Explain the terms SERIAL and PARALLEL as related to data transmission and highlight the differences between the two methods.   **(6 Marks)**

(b) (i)   Explain the term *Bus Topology* in computer networks.   **(2 Marks)**

(ii) Suggest TWO problems of transmitting messages on the bus topology.

(2 Marks)

Question 3

(a)   Name two of the most widely used Internet services.   **(2 Marks)**

(b)   What does ISP stand for? Give an example of one ISP in Zimbabwe and explain the major role played by the ISP.   **(4 Marks)**

(c)   Explain the term **"IP Address"** and why is it different from a "Domain name".   **(4 Marks)**

Question 4

(a)   To which category of Software do Operating systems belong?   **(2 Marks)**

(b)   List the FOUR major functions of the Operating system.   **(4 Marks)**

(c)   Give two examples of freeware. What are the two advantages of using freeware?   **(4 Marks)**

Question 5

(a)   Explain in general terms why information systems are vulnerable to abuse.

[5 marks]

(b)   Provide and explain a set of key guidelines that a business might adopt in order to be well-placed to deal with IS security breaches.   **[5 marks]**

Question 6

a) Testing should take place throughout the development of a system. Describe a strategy you would adopt to ensure a system is thoroughly tested before it is implemented. **[5 Marks]**

b) Describe three different approaches to converting from an old system to a newly developed system, indicating advantages and disadvantages of each. **[5 Marks]**

================End of Question Paper========================