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| **PLEASE ANSWER ALL QUESTIONS.** | **Total 25 Marks** |

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| **QUESTION 1**  Explain the role of the Arithmetic Logic Unit (ALU) and the Logic Unit of the CPU. Describe how we can perform all four basic arithmetic operations using only “addition”. | 10 marks |
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| **QUESTION 2**  Perform the following conversions:   1. (456)8 to Hexadecimal 2. (23.6875)10 to binary 3. (110011.110011)2 to decimal | 9 marks |
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| **QUESTION 3**  Identify and categorized various entities of the following Computer Based Systems (CBS) into software, hardware & user.   1. Youtube 2. Retail Software | 4 marks |
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| **QUESTION 4**  Write the impacts and applications of computers in education and healthcare. | 2 marks |
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| **\*\*END OF QUESTIONS\*\*** | |