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| **PLEASE ANSWER ALL QUESTIONS.** | **Total 20 Marks** |

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| **QUESTION 1**  Perform the following binary operations:   1. (1100000)2 - (1011111)2 2. (10111)2 ÷ (101)2 3. (1100)2 × (1101)2 | 7 marks |
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| **QUESTION 2**  Write Short notes on the following topics. Also provide at least one example for each of them:   1. Egocentric and Exocentric environments 2. Quick Response (QR) Code 3. Ergonomics | 7 marks |
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| **QUESTION 3**  Identify and categorized various entities of the following Computer Based Systems (CBS) into software, hardware & user.   1. Facebook 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\*\*** | |