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Questions:

5 Marks

1. a) Write the procedure to convert fractional Decimal to Binary
   b) Convert $(98.46)_{10}$ to bianary
2. Find 1's Complement and 2's Complement for the following Decimal number a) -98 b) -135
3. a. Add $1101010_2 + 101101_2$
   b. Subtract $1101011_2 - 111010_2$

3 Marks

4. What is radix of a number system? Give example
5. Write note on binary number System.
6. Convert $(150)_{10}$ into Binary, then convert that Binary number to Octal.
7. Write short note on ISCII.
8. Add (a) $-22_{10} + 15_{10}$ (b) $20_{10}+25_{10}$

2 Marks

9. What is data?
10. Convert $(46)_{10}$ into Binary number
11. We cannot find 1's complement for $(28)_{10}$ State reason.
12. List the encoding systems that represents characters in memory.
13. What is ASCII?

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