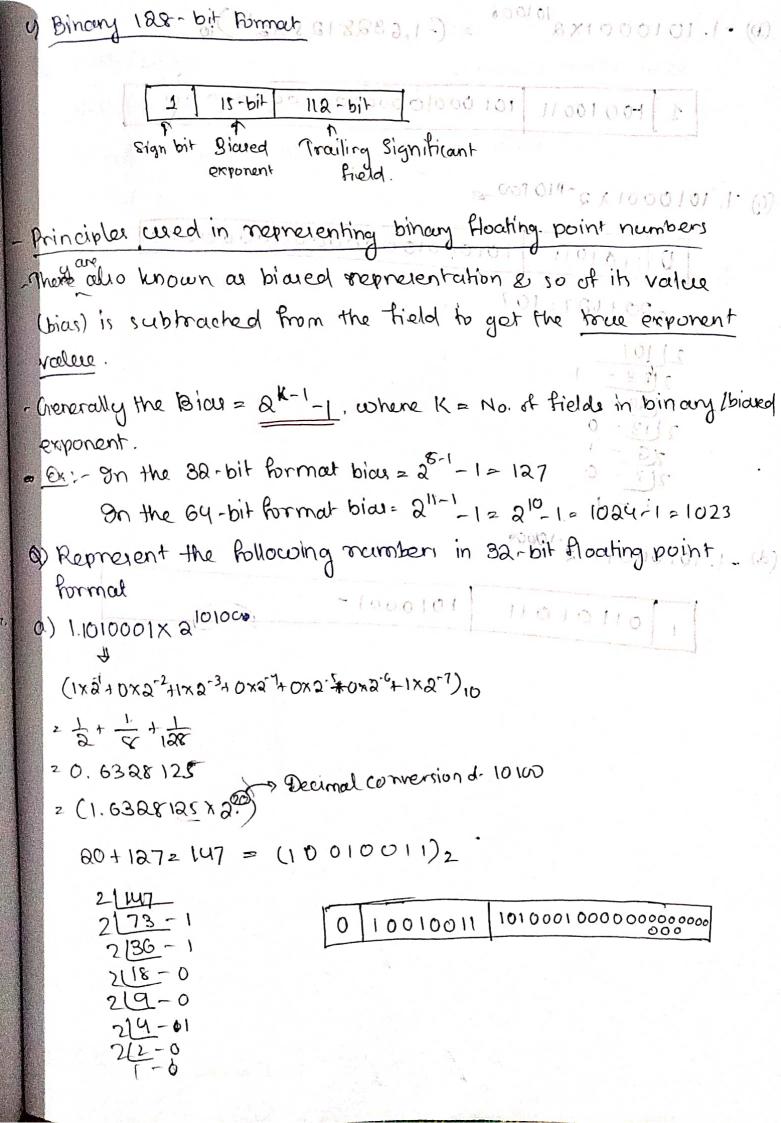


12 - 31.01.74 # Floating - Point Papresentation: numbers with the help of floating point representation - It is used for mumbers in any base - The no. or are represented with the help of below formula mo De S: Significant bit (e.g 12:02x10) B . Base of no. system 6 = Exponent - 9t is defined by JEEE. - 9t is of 3 diff? types -: (i) Frithmatic format (ii) Basic Format (iii) Interchangable format - The basic binary format can have width largths of 22,64,806 a) Binary 32-bit format: 23 bit g-bit Grailing Significant exponent 6) Birary 64-bit formatisa-bit 111-64 Trailing Signaricant field



(0) -1. 1010001xa10100 = (-1.6328125x210)10

1	10010011	101 00010000000000000000000000000000000

(a) .1. 10100011 5-410100

0 1101011	101000100000000000000000000000000000000
-20+127210	77
2 107	ing or lote it with a only to stop wide.