Data:	
Date://	/20

MOTOWOTOFOSO

Assignment - 2 Numerical - Computing

Asad Zaman P180034

Convert 100.875 to IEEE-754 standard Formal

Step -1 Convert the number into binary

2/100 100 => 1100100 50-0

0.875 x2 1.75 1 0.75 x2 1.5 1

25-0

· 875 =) 111

0.5 x 2 1.0

12-1

6-0

50 100.875 =) 110,0100.111

Step-2 Enponant

5 + 127 = 132 =)10000100

SEP-3 Mantissa

100100111

0 100000 100 100100111 mantiss 3

Nswer