

## LAB - 6

2. 1.  $1 = 1.00 \times 2^0 \rightarrow 127$   
 $= 0 \underline{01111111} \underline{000000000000000000000000}$

2.  $12.375 = 1100.01100 = 1.100011 \times 2^3$   
 $= 0 \ 10000010 \ 100011000000000000000000$

3.  $-0.25 = -(0.01) = -1.0 \times 2^{-2}$   
 $= 1 \ 01111101 \ 000000000000000000000000$