

- 1) Record the following as binary floating-point numbers in PACKED 32-Bit IEEE representation:
 - (a) 7.3
 - (b) $-1/4$
 - (c) -120.3125
 - (d) $17/64$
- 2) The following floating-point numbers are given in base 2 scientific notation. First normalize the numbers and then convert them to packet floating-point representation.
 - (a) 100110.011×2^3
 - (b) $(-)0.001101 \times 2^{-5}$
 - (c) $(-)110.11 \times 2^{-16}$
 - (d) 0.111001×2^8
- 3) Each of the following numbers is given in packed floating-point representation. Write out the number as a decimal number.
 - (a) C1800000
 - (b) 419E0000
 - (c) C0E00000
 - (d) 44640000