1.2e; 1.13c; 1.16c; 1.20c; 1.24; 2.7, 2.9; 2.11 () 9/1/99
221

1.2 c) 256 MB = ? bits 256 MB. 1024 NB. 1024 B. 86 = 2147,483,648 bits

 $0 \times 7002 \Rightarrow b_0 \Rightarrow 28882$ $7 \times 16^3 + 13 \times 16^1 + 2 \times 16^0 =$

1.20 c) 0101.1001 $1 \times 2^2 + 1 \times 2^0 + 1 \times 2^{-1} + 1 \times 2^{-4} = |5.5625|$

1.24 G: T = 0.3 asS: $0 = \frac{1}{4} = \frac{1}{0.3 \times 10^{-6} \text{ s}} = 3.3 \times 10^{6} \text{ s}$

2.9
$$G_{x}$$
 G_{y} G_{z} G_{z}

$$F = \overline{A} \cdot B + A \cdot \overline{B} + \overline{A} \cdot \overline{B}$$

$$= B \cdot (A + \overline{A}) + \overline{A} \cdot \overline{B}$$

$$= B \cdot 1 + \overline{A} \cdot \overline{B}$$

$$= B \cdot A + B$$

SHA

$$F(X,Y,Z) = (X + \overline{Y}) \cdot (X+Y) \cdot Z$$

$$(X+(Y \cdot Y)) \cdot Z$$

$$(X+Q) \cdot Z$$