



Fundaçāo CECIERJ - Vice Presidēcia de Educaçāo Superior a Distânciā

**Curso de Tecnologia em Sistemas de Computaçāo**

**Disciplina: Introduçāo à Informática**

**AP1 2º semestre de 2019.**

### **GABARITO**

#### **1. 5 pontos (0.625 cada item)**

**1.1) C**

**1.2) C**

**1.3) A**

**1.4) D**

**1.5) D**

**1.6) A**

**1.7) D**

**1.8) E**

**2. 2.5 pontos (0.5 cada item)**

a)  $(1021.001)_{10} = (1775.000406\dots)_8$

$= (3FD.00418\dots)_{16}$

b)  $(1122002112120.02112)_3 = (1562476.246)_9$

c)  $(4444)_5 = (21300)_4$

d)  $(33221100.00123)_4 = (175120.0154)_8 =$

$= (\text{FA50.06C})_{16}$

e)  $(\text{C0C0.AD0F})_{16} = (140300.532074)_8 =$

$= (30003000.22310033)_4$

**3. 2.5 pontos (0.5 cada item)**

a)  $(\text{FEFEDE.C0CA})_{16} + (\text{DDEEFF.AA})_{16} =$   
 $= (\text{1DCCDDE.6ACA})_{16}$

b)  $(70001010.0001)_8 - (67665544.7766)_8 =$   
 $= (\text{113243.0013})_8$

c)  $(\text{A000001.001})_{16} - (\text{ABCDEF.CEDE})_{16} =$   
 $= (\text{9543211.3132})_{16}$

d)  $(1111110011.0101)_2 + (\text{1101101101.10101})_2 +$   
 $+ (\text{1101110111.10111})_2 =$   
 $= (\text{101011011000.1011})_2$

e)  $(1000011001.0101)_2 - (\text{111100111.01011})_2 =$   
 $= (\text{110001.11111})_2$