



Fundação CECIERJ - Vice Presidência de Educação Superior a Distância

Curso de Tecnologia em Sistemas de Computação

Disciplina: Introdução à Informática

AP3 1º semestre de 2019.

GABARITO

1) (5 pontos)

1.1) B

1.2) A

1.3) B

1.4) B

1.5) E

1.6) C

1.7) A

1.8) D

$$2. \text{ a) } (3013302.3332)_4 + (203323.313)_4 =$$

$$= (3223232.3122)_4 = (35356.664)_8$$

$$\text{b) } (775547.375)_8 + (576767.6567)_8 =$$

$$= (1233211133.111133)_4 = (6F95F.55F)_{16}$$

$$\text{c) } (ED9CAF.B9)_{16} - (DCE9A.9D)_{16} =$$

$$= (DFCE15.1C)_{16} = (67747025.07)_8$$

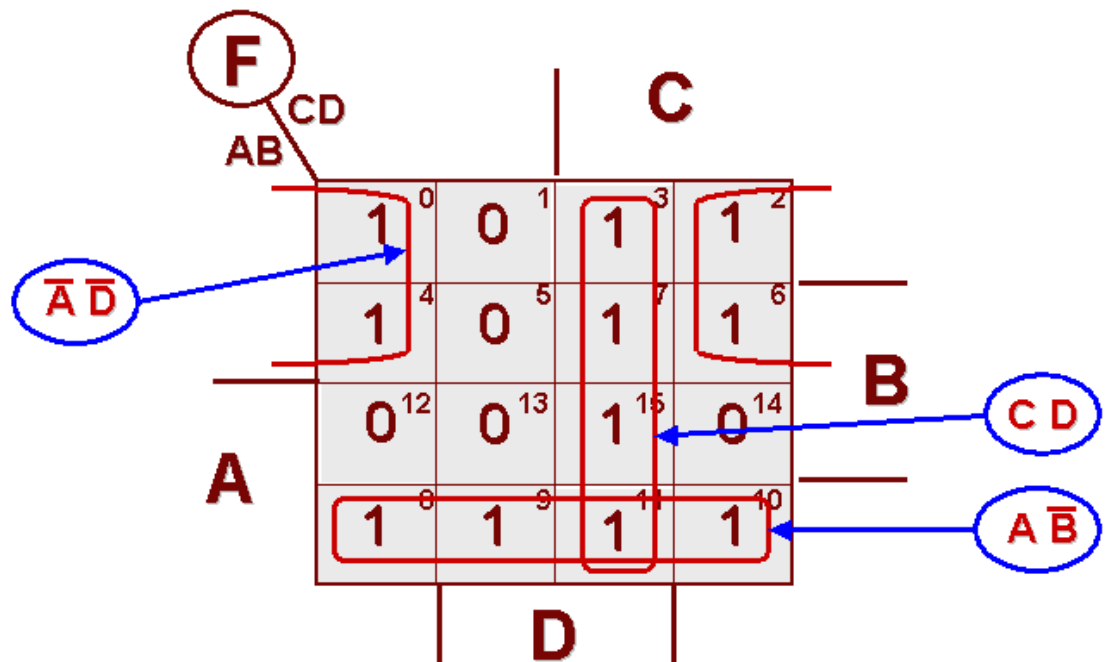
$$\text{d) } (11010010.11001)_2 + (10111011.0111)_2 + (11110111.1001)_2 =$$

$$= (1010000101.11001)_2 = (285.C8)_{16}$$

$$\text{e) } (110100101.0001)_2 - (101010111.011)_2 =$$

$$= (1001101.1011)_2 = (1031.23)_4$$

3. $F(A,B,C,D) = \Sigma(1, 3, 6, 7, 9, 11, 12, 14, 15)$



$$F(A,B,C,D) = \bar{A}\bar{B} + \bar{A}\bar{D} + CD$$

