17/03/15 - gabanito - A1 - PE - Computação - maria Frez (1) (a) P(AUBUC) - P(ANB) - P(ANC) - P(BNC) + 2 P(ANBNC) = = P(A)+ P(B)+ P(C)- P(ANB)-P(ANC)-P(BNC)+ P(ANBNC)-P(ANB)-P(ANC)--P(Bnc)+2P(Anbnc)= 933+0,25+0,42-0,08-0,1-0,07+ +0,05-0,08-0,1-0,07+2(0,05)=[0,65] 0,03 0,15 (b) 1-[P(ANB)+P(BNC)+P(ANC)-2P(ANBNC)]= 5,0 =1-[0,08+0,1+0,07-2(0,05)]=1-0,15=[0,85](a) P(BUM) = P(B) + P(M) - P(BNM) = = 1-PB)+P(M)-P(BNM)= m) Q ALS $=1-\frac{13}{22}+\frac{7}{22}-\frac{2}{22}=1-\frac{8}{22}=\left(\frac{14}{22}\right)$ >18 A (b) $P(\widehat{A} \cap \widehat{R}) = P(\widehat{A} \cup R) = 1 - P(\widehat{A} \cup R) = 1 - [P(\widehat{A}) + P(\widehat{R}) - P(\widehat{A} \cap R)] = 1$ $=1-\left[\frac{9}{22}+\frac{15}{22}-\frac{7}{22}\right]=1-\frac{17}{22}=\left[\frac{5}{22}\right]$ (a) P((D,B) U(R,B) U(B,D) U(B,R) U R4/19 - (D,R) - 4/380 $U(B,B) = \frac{15+60+15+60+210}{380}$ (3) B 15/19 - (D,B) - 15/380 D 1/19 - (RID)-4/380 $=\sqrt{\frac{360}{380}}=\frac{36}{38}$ R3/19 - (R,R) - 12/380 B 25/19-(R,B)-60/380 (b) $P(R_1) = \frac{60}{15+60+210} = \frac{60}{285}$ -D 1/19 - (B,D)-15/380 $R4/19 - (B_1R) - 60/380$ B 14/19 - (B, B) -210/380 Geo,7 - (At, Bt, Ct) - 9504 - Cf 0,3 - (Af, Bf, Cf) - 0,216 -Cf0,7 - (Af, Bf, Cf) -0,126 GO,3- (Af, Ef, Cf) -0,054 (a) P[(A,B,C)U(A,B,C)U(A,B,C)] = 0,504 + 0,216 + 0,126 = 0,846)(b) $P(C_f) = \frac{0.504 + 0.126}{0.846} = \sqrt{\frac{0.630}{0.846}} = \frac{630}{846}$ (a) P(SFUC)=0,1645+0,12+0,18+ SP 965 - (E,SP) - 0,3055 +0,1886 = [0,6531] 50,47 (5F0,35-(E, SF)-0,1645 SP0,4 - (C,SP)-0,1200 (b) PF(E) = 0,18+0,1886 C0,3 < 5P 0,6 - (C, SP) - 0,1800 0,1645+0,18+0,1886 0022 SP0,18 - (0,SP) - 0,0414

(0,3686 _ 3686