0.1 (a) {4,5,6,7,8,9,10,11} (b) \$\$(2,4,6,8,10} (c) fr.2,3,4,5,6,7,8,9} {o,1,4,9,16,25,36,49,64,81} E 523 /d \$ } (Q3) Subset or No subset 0.2 (i) (a) & Subset (a) False (b) £ (b) False (c) True (c) \$ S (c) True (d) false (d) of (e) 1 Prac (e) c g, (6) c (9) c DUE (b) (i) (a) DAE \$1,2,3,4,5,7,9% \$1,3,57 C {13 \$ 1,3,5, 92 (e) \$\$\$ (b)

14) (a) {a} -> {50%, {a}} (a) 17,240 \ \(\phi, 1, 2, 4, \langle 1, 2\frac{1}{2}, 4\frac{1}{2}\frac{1}{2}, 4\frac{1}{2}\frac{1}{2}, 4\frac{1}{2}\frac{1}{2}, 4\frac{1}{2} B U= {0,12,3,4,5,6,7,8,9,10} P= { 2,3,5,7,73 Q = So,1, 2, 3, 4, 5, 6,7 } Pi { 0,1,4,6,8,9,16 } PnQ = {0146} (9 PMQ) = 7 7 m=7 n(P({a,b,{a,b}}})) m3 n:3, 28 = 8 (0) 24: 16

A= {2}, B= {2,3}, C= {4,5,6} @.7) B = {2,3) B(B) -{8/23, [3/22,3]} => {Ø, {0}, {0}, {23}, {23} (b) P(P(A)): P(P(A) = {23 2 = 2 224 B(P(AV) = & Ø, {2}} P(P(A)) = {0, {\$3, 22}, 505} (c) n(coB) n ({2,3,4,56}) W= 5 13-6: \$2,35 (d) n(p(p(B(C))) =) 20,523533,52,325 Ø; EBER198 1 50,23, \$13,003

(C) (ANB') U(ANC')

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(d) ABC = 8 An (Buc) D.9 Vitely/ 12 10 gando~

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