Time: 10 Minutes	Paper Math 8 (T-3)	Total Marks: 10

2nd Month, 2nd Week, 3rd Day	Exercise 1.6 Q # (1,2,3)

Q.1. Choose the correct options. (0.5× 4 = 2) درست جواب کا انتخاب کریں۔

(i) If A = {1,3,5,7} B = {2,4,6,8} then find A∪B

اگر A = {1,3,5,7} B = {2,4,6,8} ہوتو A∪B معلوم کریں۔

(a) {1,2,3,4,5,6,7,8}	(b) {1,3,5,7,8}	(c) {2,4,5,6,7}	(d) {1,2,3,5,7,8}

(ii) Find A∩B if A = {0, + 1, + 2, + 3}, B = {0,1,2,3}

A = {0, + 1, + 2, + 3}، B = {0,1,2,3} تو A∩B معلوم کریں۔

(a) {0,1,2}	(b) {−1,−2,−3}	(c) {0,1,2,3}	(d) {1,2,3}

(iii) U = {0,1,23,.........10} B = {1,3,5,7,9} B^c = ?

(a) {1,2,3,4,5}	(b) {0,2,4,6,8,10}	(c) {0,1,2,3,8,10}	(d) {0,1,3,5,7,8,9,10}

(iv) Find intersection if E = {a,b,c,d} F = {c,d,e,f}

اگر E = {a,b,c,d} F = {c,d,e,f} تقاطع معلوم کریں۔

(a) {a,b,c,d}	(b) {d,e,f}	(c) {a,b,c,d,e,f}	(d) {c,d}

☆ **Answer the following questions: (2×2=4)** درج ذیل سوالات کے جواب دیں۔

Q.2. Find the union E = {3,6,9,12}, F = {4,8,12} یونین معلوم کریں۔

Q.3. Find the intersection C = {3,6,9,12,15} D = {1,3,5,7,9} تقاطع معلوم کریں۔

Q.4. U = {0,1,2,3,.........10} , C = {0,3,6,9} D = {5,6,7,8,9,10} **(4)**

(i) C^c **(ii)** D^c