1 **Total Marks: 10 Time: 10 Minutes** Paper Math 8 (T-3) 2nd Month, 2nd Week, 3rd Day Exercise 1.6 Q # (1,2,3) درست جواب کاانتخاب کریں۔ O.1. Choose the correct options. $(0.5 \times 4 = 2)$ (i) If $A = \{1,3,5,7\}$ $B = \{2,4,6,8\}$ then find $A \cup B$ $A \cup B$ وتو $A \cup B$ وتو $A \cup B$ اگر $A = \{1,3,5,7\}$ (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 $A \cap B$ if $A = \{0, +1, +2, +3\}$, $B = \{0,1,2,3\}$ $A \cap B$ تو $B = \{0,1,2,3\}$ د $A = \{0, +1, +2, +3\}$ (a) **(b)** $\{-1,-2,-3\}$ (d) {1,2,3} $\{0,1,2\}$ $\{0,1,2,3\}$ (iii) $U = \{0,1,23,.....10\} B = \{1,3,5,7,9\} B^c = ?$ {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} (a) (iv) Find intersection if $E = \{a,b,c,d\}$ $F = \{c,d,e,f\}$ $F = \{c,d,e,f\} E = \{a,b,c,d\}$ انگاطع معلوم کریں۔ (a) **(b)** (d) $\{a,b,c,d\}$ $\{d,e,f\}$ (c) $\{a,b,c,d,e,f\}$ $\{c,d\}$ درج ذیل سوالات کے جواب دیں۔ **☆** Answer the following questions: $(2 \times 2 = 4)$ Q.2. Find the union $E = \{3,6,9,12\}, F = \{4,8,12\}$ Q.3. Find the intersection $C = \{3,6,9,12,15\}$ $D = \{1,3,5,7,9\}$ 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

Time: 10 Minutes	Paper Math 8 (T-3)		Total Marks: 10
2nd Month, 2nd Week, 3rd Day		Exercise 1.6 Q # (1,2,3)	

1

Q.1. Choose the correct options. $(0.5 \times 4 = 2)$

درست جواب كاانتخاب كريں۔

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

$$\mathbf{A} \cup \mathbf{B} = \{2,4,6,8\} \ \mathbf{A} = \{1,3,5,7\} \ \mathbf{A} \cup \mathbf{B} = \{2,4,6,8\} \ \mathbf{A} = \{1,3,5,7\} \ \mathbf{A} \cup \mathbf{B} = \{1,3,5,7\} \ \mathbf{A}$$

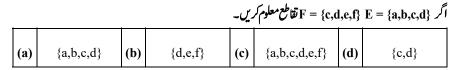
(ii) Find $A \cap B$ if $A = \{0, +1, +2, +3\}$, $B = \{0,1,2,3\}$

$$\mathbf{A} \cap \mathbf{B} = \{0,1,2,3\} \cdot \mathbf{A} = \{0,+1,+2,+3\}$$
(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 $E = \{a,b,c,d\}$ $F = \{c,d,e,f\}$



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

Q.2. Find the union $E = \{3,6,9,12\}, F = \{4,8,12\}$

Q.3. Find the intersection $C = \{3,6,9,12,15\}$ $D = \{1,3,5,7,9\}$

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

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