

A.MCQ type (choose the best answer)

1.  $A \cup A' = \dots\dots\dots$

- a) U
- b)  $U'$
- c) B
- d) None of them

2. If  $E = \{2, 4, 6, \dots\}$  and  $O = \{1, 3, 5, \dots\}$  are  $\dots\dots$  sets

- a) Equal
- b) Equivalent
- c) Proper
- d) None of them

3.  $(A')' = \dots\dots\dots$

$B'$   
 $U'$

$U$   
 $A$

4. If 2 sets A and B are given, then the set consisting of all the elements which are either in A or in B or in both is called

- A. Intersection of A and B
- B. union of A and B
- C. Complement of A
- D. Complement of B

5. If  $U = \{1, 2, 3, 4, 5\}$  and  $A = \{2, 4\}$  then  $A'$  should be

- A.  $\{2, 4, 5\}$
- B.  $\{2, 4\}$
- C.  $\{1, 2, 3, 4, 5\}$
- D.  $\{1, 3, 5\}$

6. The union of set A and B is denoted by

- A.  $A + B$
- B.  $A - B$
- C.  $A \cap B$
- D.  $A \cup B$

8. If  $X = \{1, 2, 3, 4, 5\}$  and  $Y = \{2, 4, 5, 6, 8\}$  then  $Y - X$  equals to

- A.  $\{4, 5\}$
- B.  $\{1, 6\}$
- C.  $\{6, 8\}$
- D.  $\{1, 3\}$

9. Complement of a set B in denoted by

- A.  $B'$

- B.  $B^\circ$
- C.  $\{B\}$
- D.  $B^2$