EduSahara™ Assignment

Name : Operations on Sets

Chapter : Sets

Grade : ICSE Grade VII

1. If A = {0,2,3} and B = {0,3,1} , then A ∪ B =

   (i) {0,2,1} (ii) {1,2,3,0} (iii) {3,7,0,2,1} (iv) {1,3,0} (v) {2,0,6,3}

2. If A = {7,0,6,4} and B = {3,9,8,0} , then A ∪ B =

   (i) {14,0,7,8,4,9,6,3} (ii) {9,4,8,3,6,7} (iii) {0,7,9,3,4,6,8} (iv) {6,0,4,3,7,8} (v) {4,11,7,8,3,6,0}

3. If A = {15,11,13,4,2} and B = {5,13,2,12,14} , then A ∪ B =

   (i) {15,11,12,5,13,14,4,2} (ii) {5,15,12,2,4,19,14,13} (iii) {13,12,4,15,2,14,5}

   (iv) {12,2,11,13,15,14,20,4,5} (v) {11,5,4,2,15,12,14}

4. If A = {12,7,15} , B = {3,11,9} and C = {6,3,9} , then A ∪ (B ∪ C) =

   (i) {15,11,7,12,3,9} (ii) {6,12,3,11,7,15,9} (iii) {} (iv) {3,15,20,11,12,9,7,6} (v) {15,9,6,7,3,11}

5. If A = {2,12,1} , B = {5,7,12} and C = {6,8,13,2} , then A ∪ (B ∪ C) =

   (i) {6,8,2,16,7,5,1,12,13} (ii) {12,2,6,1,8,13,5} (iii) {6,5,8,12,13,2,7} (iv) {12,6,1,5,8,13,7,2}

   (v) {8,2,13,5,12,1,7}

6. If A = {15,11,3,9} , B = {5,7,0} and C = {0,11,13} , then A ∪ (B ∪ C) =

   (i) {0,3,9,5,13,11,15} (ii) {0,9,3,5,15,11,7} (iii) {13,3,11,9,5,0,7} (iv) {5,13,9,7,15,11,3,0}

   (v) {19,0,9,7,15,3,11,13,5}

7. If A = {9,2,6,3,1} and B = {3,2,0,9,7} , then A ∩ B =

   (i) {3,9,2,7,6} (ii) {9,3,11,2} (iii) {2,3,9} (iv) {0,9,3,2} (v) {3,2,9,1}

8. If A = {11,4,7,13,9,6,5} and B = {2,6,8,4,7,5,9} , then A ∩ B =

   (i) {6,4,9,8,7,5} (ii) {9,7,4,6,5,20} (iii) {4,7,5,6,9} (iv) {5,6,8,4,9,7,11} (v) {11,6,9,4,7,5}

9. If A = {8,5,6,3,15,10} , B = {5,6,12,11,15,1} and C = {14,8,2,0,6,9}, then A ∩ (B ∩ C) =

   (i) {6,3} (ii) {6} (iii) {14,6} (iv) {16,6} (v) {12,6}

10. If A = {1,4,13,3,7,2,12,11} , B = {14,8,5,7,2,0,1,9} and C = {15,4,10,14,2,6,13}, then A ∩ (B ∩ C) =

    (i) {2,11} (ii) {17,2} (iii) {2} (iv) {0,2} (v) {15,2}

11. If A = {3,0,5,1} and B = {0,8,5,1} , then A − B =

    (i) {15,3} (ii) {3} (iii) {5,3} (iv) {8} (v) {}

12. If A = {4,13,11,10,0} and B = {10,3,6,13,0} , then A − B =

    (i) {11,16,4} (ii) {0,4,11} (iii) {11,4} (iv) {6,3} (v) {4}

13. If A = {7,8,1,10,15,2} and B = {5,14,12,6,10,2} , then A − B =

    (i) {7,1,8} (ii) {7,1,15,8} (iii) {8,2,1,15,7} (iv) {12,6,5,14} (v) {8,1,20,15,7}

14. If A = {8,4,3,9} and B = {3,1,10,9} , then B − A =

(i) {1,10} (ii) {1,13,10} (iii) {1} (iv) {10,3,1} (v) {}

15. If A = {15,5,9,14,12} and B = {4,6,14,11,12} , then B − A =

(i) {12,6,11,4} (ii) {4,6} (iii) {6,4,11} (iv) {11,18,6,4} (v) {}

16. If A = {2,9,12,0,8,4} and B = {7,14,9,0,8,4} , then B − A =

(i) {14} (ii) {7,14,4} (iii) {7,14} (iv) {7,14,16} (v) {}

17. The symmetric difference of set A = {4,2,5,0} and set B = {5,4,1,0} is

(i) {1,2,0} (ii) {2} (iii) {1} (iv) {} (v) {1,2}

18. The symmetric difference of set A = {3,9,2,8,10} and set B = {9,2,7,6,10} is

(i) {3,8} (ii) {2,3,7,6,8} (iii) {8,3,7,6} (iv) {7,6} (v) {3,7,6}

19. The symmetric difference of set A = {11,4,8,1,13,14} and set B = {6,13,7,4,3,14} is

(i) {3,6,7} (ii) {11,8,6,7,3} (iii) {14,1,8,3,6,7,11} (iv) {1,11,6,8,3,7} (v) {8,11,1}

Assignment Key

1) (ii)	2) (iii)	3) (i)	4) (ii)	5) (iv)	6) (iv)
7) (iii)	8) (iii)	9) (ii)	10) (iii)	11) (ii)	12) (iii)
13) (ii)	14) (i)	15) (iii)	16) (iii)	17) (v)	18) (iii)
19) (iv)					