EduSahara™ Assignment

Name : Operations on Sets

Chapter : Sets

Grade : ICSE Grade VII

1. If A = {3,5,1} and B = {2,4,5} , then A ∪ B =
   (i) {4,5,3,1} (ii) {3,2,7,5,4,1} (iii) {4,5,2,1} (iv) {1,5,4,2,3} (v) {2,5,3,7,4}

2. If A = {0,6,2,3} and B = {3,8,4,10} , then A ∪ B =
   (i) {15,8,0,10,6,2,3,4} (ii) {10,2,4,8,0,6} (iii) {6,0,3,4,2,10,8} (iv) {} (v) {3,2,4,6,15,10,8}

3. If A = {15,4,13,3,5} and B = {3,15,8,13,1} , then A ∪ B =
   (i) {13,1,8,15,4,5,3,18} (ii) {13,15,1,5,3,8,4} (iii) {4,5,15,1,18,8,13} (iv) {1,5,13,8,15,4}
   (v) {1,15,8,3,13,4}

4. If A = {14,13,11} , B = {7,5,0} and C = {4,5,2} , then A ∪ (B ∪ C) =
   (i) {13,5,11,14,7,0,4,2} (ii) {} (iii) {7,2,11,14,5,20,0,4,13} (iv) {7,14,0,5,2,4,13} (v) {13,14,0,11,2,5,7}

5. If A = {8,4,9} , B = {15,6,9} and C = {10,14,2,12} , then A ∪ (B ∪ C) =
   (i) {4,9,8,10,2,15,12,14,6} (ii) {} (iii) {10,4,14,6,15,8,9,2} (iv) {6,12,8,9,15,2,20,4,10,14}
   (v) {2,10,6,14,4,15,12,9}

6. If A = {14,1,8,5} , B = {10,7,13} and C = {6,3,8} , then A ∪ (B ∪ C) =
   (i) {5,6,1,13,14,7,10,8} (ii) {13,6,17,1,7,5,3,14,8,10} (iii) {1,10,5,3,14,8,7,6} (iv) {1,6,7,8,3,14,13,10}
   (v) {13,8,10,6,3,7,14,5,1}

7. If A = {7,4,10,2,3} and B = {2,8,9,3,0} , then A ∩ B =
   (i) {3,2} (ii) {3,2,12} (iii) {0,2,3} (iv) {10,8,2,3} (v) {2,10,3}

8. If A = {6,10,3,15,9,1,0} and B = {0,9,10,3,8,1,12} , then A ∩ B =
   (i) {1,10,9,0,8,3} (ii) {10,3,6,1,0,9} (iii) {12,10,1,0,3,9,8} (iv) {10,9,3,0,1} (v) {1,10,20,9,3,0}

9. If A = {4,11,1,7,9,6} , B = {3,12,11,15,5,0} and C = {5,14,12,9,15,8}, then A ∩ (B ∩ C) =
   (i) {} (ii) {20} (iii) {8} (iv) {3} (v) {6}

10. If A = {15,13,8,3,9,1,11,5} , B = {8,6,13,2,9,3,12,7} and C = {11,0,3,1,8,15,12,4}, then A ∩ (B ∩ C) =
    (i) {8,3,0} (ii) {3,8,17} (iii) {8,3,2} (iv) {5,8,3} (v) {8,3}

11. If A = {4,2,0,10} and B = {1,2,3,10} , then A − B =
    (i) {4,0} (ii) {13,4,0} (iii) {0,2,4} (iv) {4} (v) {1,3}

12. If A = {13,11,7,10,2} and B = {5,10,9,4,2} , then A − B =
    (i) {2,11,7,13} (ii) {11,7} (iii) {4,9,5} (iv) {11,7,13} (v) {7,11,13,18}

13. If A = {4,15,9,1,0,5} and B = {8,0,13,14,1,5} , then A − B =
    (i) {4,9,15,20} (ii) {15,4,9} (iii) {5,9,4,15} (iv) {14,13,8} (v) {15,4}

14. If A = {8,3,5,2} and B = {4,10,0,2} , then B − A =

(i) {10,4,0} (ii) {14,0,4,10} (iii) {} (iv) {0,4,10,2} (v) {10,4}

15. If A = {15,8,10,6,7} and B = {8,12,9,11,7} , then B − A =

(i) {12,9,11} (ii) {11,12} (iii) {9,11,8,12} (iv) {11,9,12,20} (v) {}

16. If A = {6,13,7,15,8,2} and B = {9,5,4,13,12,2} , then B − A =

(i) {12,4,9,5,20} (ii) {} (iii) {4,9,5} (iv) {4,9,5,12} (v) {5,9,2,12,4}

17. The symmetric difference of set A = {5,2,1,0} and set B = {5,4,3,0} is

(i) {2,1} (ii) {1,4,2,3,0} (iii) {3,4} (iv) {1,2,3,4} (v) {3,1,2}

18. The symmetric difference of set A = {8,7,4,0,6} and set B = {0,5,2,8,6} is

(i) {4,7} (ii) {2,5} (iii) {7,2,4} (iv) {0,5,7,2,4} (v) {2,4,7,5}

19. The symmetric difference of set A = {5,8,4,0,9,12} and set B = {1,10,15,8,3,12} is

(i) {1,0,5,9,3,4,10,15} (ii) {9,0,5,4} (iii) {10,1,3,15} (iv) {10,12,4,0,9,1,15,3,5} (v) {4,3,9,15,1,5,0}

Assignment Key

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