EduSahara™ Assignment

Name : Operations on Sets

Chapter : Sets

Grade : ICSE Grade VII

1. If A = {5,4,3} and B = {4,3,2} , then A ∪ B =
   (i) {4,2,3,5,10} (ii) {2,3,5} (iii) {} (iv) {2,7,3,5} (v) {4,5,2,3}

2. If A = {2,5,9,8} and B = {7,2,8,10} , then A ∪ B =
   (i) {9,10,8,2,12,5} (ii) {10,2,5,9,7,8} (iii) {9,7,5,10,2} (iv) {} (v) {2,9,10,7,5,8,14}

3. If A = {12,3,14,4,8} and B = {13,15,1,7,0} , then A ∪ B =
   (i) {1,0,4,13,14,12,7,15,3} (ii) {4,15,7,12,1,13,0,8,20,3,14} (iii) {14,12,4,3,7,1,13,8,15}
   (iv) {12,13,7,15,19,1,4,3,0,14} (v) {1,8,12,4,7,13,3,15,14,0}

4. If A = {3,5,0} , B = {12,10,8} and C = {11,7,1} , then A ∪ (B ∪ C) =
   (i) {5,10,8,3,1,12,11,7} (ii) {12,1,11,3,5,0,10,8,7} (iii) {8,1,7,3,0,5,11,10} (iv) {0,11,8,3,16,12,1,10,5,7}
   (v) {10,12,8,1,5,11,0,3}

5. If A = {12,13,5} , B = {4,8,11} and C = {10,8,0,3} , then A ∪ (B ∪ C) =
   (i) {8,12,13,10,4,0,3,5} (ii) {11,4,13,3,8,10,0,12} (iii) {11,13,8,10,4,3,12,5} (iv) {10,3,12,8,11,4,13,5,0}
   (v) {13,16,3,11,10,8,0,5,12,4}

6. If A = {14,3,7,0} , B = {3,14,9} and C = {3,13,9} , then A ∪ (B ∪ C) =
   (i) {3,0,14,9,13} (ii) {0,7,9,13,20,3,14} (iii) {7,3,0,14,9} (iv) {} (v) {14,13,7,3,9,0}

7. If A = {6,10,4,5,1} and B = {7,5,4,9,8} , then A ∩ B =
   (i) {5,4,9} (ii) {4,5,6} (iii) {4,9,6,5} (iv) {4,5} (v) {4,5,11}

8. If A = {2,4,15,6,11,10,12} and B = {12,7,2,9,10,6,15} , then A ∩ B =
   (i) {6,2,10,15,19,12} (ii) {9,15,10,6,2,12} (iii) {2,9,4,6,10,12,15} (iv) {6,15,10,2,12}
   (v) {10,6,2,12,11,15}

9. If A = {1,15,14,4,9,0} , B = {13,6,1,3,14,8} and C = {11,13,4,3,9,12}, then A ∩ (B ∩ C) =
   (i) {6} (ii) {11} (iii) {19} (iv) {} (v) {0}

10. If A = {5,1,3,13,7,12,0,15} , B = {12,7,13,6,2,3,4,9} and C = {1,13,0,10,5,4,6,14}, then A ∩ (B ∩ C) =
    (i) {13,20} (ii) {13,15} (iii) {10,13} (iv) {13} (v) {13,9}

11. If A = {4,7,0,2} and B = {8,4,7,2} , then A − B =
    (i) {0} (ii) {0,4} (iii) {} (iv) {0,13} (v) {8}

12. If A = {8,14,0,2,13} and B = {5,6,1,12,13} , then A − B =
    (i) {14,8,0} (ii) {0,8,14,2} (iii) {0,14,8,2,20} (iv) {6,1,5,12} (v) {13,2,0,8,14}

13. If A = {3,2,7,14,4,11} and B = {5,2,12,10,6,11} , then A − B =
    (i) {4,14,7,3,11} (ii) {3,17,4,7,14} (iii) {3,14,4} (iv) {6,10,12,5} (v) {7,3,14,4}

14. If A = {3,1,0,2} and B = {3,1,9,2} , then B − A =

(i) {9,2} (ii) {} (iii) {9} (iv) {12,9}

15. If A = {13,12,2,1,6} and B = {14,7,15,0,6} , then B − A =

(i) {7,15,0} (ii) {7,18,0,15,14} (iii) {7,15,14,0} (iv) {} (v) {14,15,6,0,7}

16. If A = {14,10,15,11,8,1} and B = {8,7,2,10,3,1} , then B − A =

(i) {3,7,17,2} (ii) {} (iii) {7,3,2} (iv) {3,2,8,7} (v) {3,2}

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

(i) {5,3} (ii) {3,2,5} (iii) {2,4} (iv) {4,2,5,3} (v) {3,5,0,4,2}

18. The symmetric difference of set A = {9,4,6,3,7} and set B = {8,1,6,3,7} is

(i) {1,8} (ii) {4,9,8,3,1} (iii) {9,4,1} (iv) {4,9} (v) {4,9,1,8}

19. The symmetric difference of set A = {9,6,2,4,10,11} and set B = {14,12,10,6,5,11} is

(i) {5,14,12} (ii) {5,9,2,4,14,12} (iii) {4,5,2,9,11,14,12} (iv) {4,9,2} (v) {5,4,14,2,12}

Assignment Key

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