**ASSIGNMENT NO.-1(SETS)**

**(MATHEMATICS)**

1. Two finite sets have and elements.The total number of subsets of the first set is 56 more

than the total number of subsets of the second set.Find the values of and .

2. Write the following intervals in the set -builder form:

(i) (ii)

3. Draw venn diagrams to represent the following:

(i) (ii) (iii) (iv) (v)

4. Let and ,find:

(i) (ii) (iii) (iv) (v) (vi)

5. Find the smallest set such that

6. If Verify the following identiities:

(i) (ii)

7. Let and be two sets such that and .If

find:

(i) (ii) (iii)

8. If and are two sets and is the universal set such that

and Find

9. In a survey of 700 students in a college,180 were listed as drinking Limca,275 as drinking Miranda

and 95 were listed as both drinking Limca as well as Miranda.Find how many students were

drinking neither Limca nor Miranda.

10. A market research group conducted a survey of 2000 consumers and reported that 1720

consumers liked product A and 1450 consumers liked product B.What is the least number that

must have liked both the products?