

Ex - 13(c)

i) Subject, super set  
ii) subset

iii) subset  
iv) is less than

2) i, iv and v

3) i and ii

4) i) True ii) False iii) false iv) false v) false vi) True

5) Subsets of A are:  $\{\}, \{a\}, \{c\}, \{a, c\}$

Subsets of B are:  $\{\}, \{p\}, \{q\}, \{r\}, \{p, q\}, \{p, r\}, \{q, r\}$

~~Subsets of B are:  $\{p, q, r\}$~~

Subsets of C are:  $\{\}, \{1\}, \{3\}, \{5\}, \{1, 3\}, \{3, 5\}, \{1, 5\}, \{1, 3, 5\}$

6) i) 8 ii) 15 iii) 2 iv) 3

7) i)  $\{4, 6, 8, 10, 12\}$  ii)  $\{9, 11, 13\}$  iii)  $\{5, 7, 11, 13\}$  iv)  $\{4, 6, 8\}$