

Ex - 13 (C)

1. i) Subset, Superset

ii) Subset

iii) Subset

iv) is less than

2. i) Subset of A is

i) $B = \{5, 8\}$

ii) $E = \{ \}$

iii) $F = \{8, 7, 9, 5\}$

3. Subset of P is

i) $A = \{3, 4\}$

ii) $B = \{ \}$

~~iii)~~

4. i) $B \subset A = T$ ii) $D \not\subset A = F$

iii) $C \subset A = F$ iv) $E \supset B = F$

v) $D \subset C = F$ vi) $A \supset B \supset E = T$

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

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

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

$$6. \text{ i) } 8$$

$$\text{ii) } 15$$

$$\text{iii) } 2$$

$$\text{iv) } 3$$

$$7. \text{ i) } A = \{ 4, 6, 8, 10, 12 \}$$

$$\text{ii) } B = \{ 9, 11, 13 \}$$

$$\text{iii) } C = \{ 5, 7, 11, 13 \}$$

$$\text{iv) } D = \{ 4, 6, 8 \}$$