

## Second Paper : Ch 1

### formulas

(i) If 'A' is an event which belongs to Sample space 'S'

$$\Rightarrow \text{Probability, } P(A) = \frac{n(A)}{n(S)}$$

(ii) Independent event :  $P(A \cap B) = P(A) \cdot P(B)$

(iii) Complementary / Supplementary / Exhaustive events :  $P(A \cup B) = 1$  or  $P(A) + P(B) = 1$

(iv) Mutually exclusive

events :  $P(A \cap B) = 0$  or  $P(A \cup B) = P(A) + P(B)$