

## II). CHROMOSOME MUTATIONS:

- CHANGE IN THE CHROMOSOME
- BROUGHT ON BY PROBLEMS DURING MEIOSIS OR BY MUTAGENS
- 3 TYPES:

1). DELETION: PORTION MISSING

2). INVERSION: PORTION INVERTED ON CHROMOSOME

3). TRANSLOCATION: PORTION MOVES TO OTHER HOMOLOGOUS CHROMOSOME

## III). NON-DISSUNCTION:

a). FAILURE OF CHROMOSOME TO SEPARATE PROPERLY DURING MEIOSIS

b). INCORRECT # OF CHROMOSOMES ON EGG OR SPERM.

(e.) DOWN SYNDROME (TRISOMY 21)  $\Rightarrow$  3 PAIRS OF CHROMOSOME 21