**Katwa College**

**B.Sc. Sem -VI (Hons) Internal Examination**

**Sub-Botany**

**Paper- CC13**

**Genetics & Plant Breeding**

**Answer any two questions of the following. 2X5=10**

1. Define linkage. With suitable diagram discuss the cytological basis of crossing over. 1+4
2. What do you mean by incomplete dominance? Discuss the incomplete dominance with checker board. 1+4
3. Define polyploidy. Distinguish between auto and allopolyploidy. What do you mean by nullisomy and trisomy. 1+2+2
4. What is genetic drift? Write down the proper criteria for Hardy-Weinberg equilibrium.