**Katwa College**

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

**Sub-Botany**

**Paper- CC14**

**Plant Biotechnology**

**Answer any two questions of the following. 2x5=10**

1. With suitable diagram discuss the construction of c-DNA libraries. 5
2. Define vector. Write a short note on shuttle vector and cosmid vector. 1+2+2
3. Define totipotency. Discuss the different stages of micro propagation. 1+4
4. What do you mean by haploid culture? Write a short note on cryopreservation. 2.5+2.5