**Katwa College**

**B.Sc Sem-VI (Honours) internal Examination**

**Sub-Botany**

**Paper-CC-14**

 **Plant Biotechnology**

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

1. Briefly discuss the mechanism of direct gene transfer through electroporation and microprojectile bombardment. 2.5+2.5
2. With suitable diagram discuss the different steps of micro propagation. 5
3. Define vector. Write short notes on plasmid vector and shuttle vector. 1+2+2
4. What is Humulin? Briefly discuss the construction procedure of c-DNA library. 1+4

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