



**SECTION -C (30 Marks)**  
Answer **ALL** questions  
**ALL** questions carry **EQUAL** Marks (5 x 6 = 30)

- 11 a. Analyze the natural plasmids and cosmid.  
OR  
b. Construct the types and target sites of restriction enzymes.
- 12 a. Interpret the next generation sequence.  
OR  
b. Assess the construction of genomic and cDNA libraries.
- 13 a. Develop the cloning in sheep by nuclear transfer.  
OR  
b. Analyze the phospholipids as gene delivery vehicles.
- 14 a. Assess the gene transformation techniques.  
OR  
b. Interpret the genetically modified food.
- 15 a. Analyze the in-vivo method of somatic cell gene therapy.  
OR  
b. Construct the vectors used for gene therapy.

Z-Z-Z

END