

# CHAPTER - 11

## BIOTECHNOLOGY

### - PRINCIPLES AND PROCESS

#### Cloning Vectors:

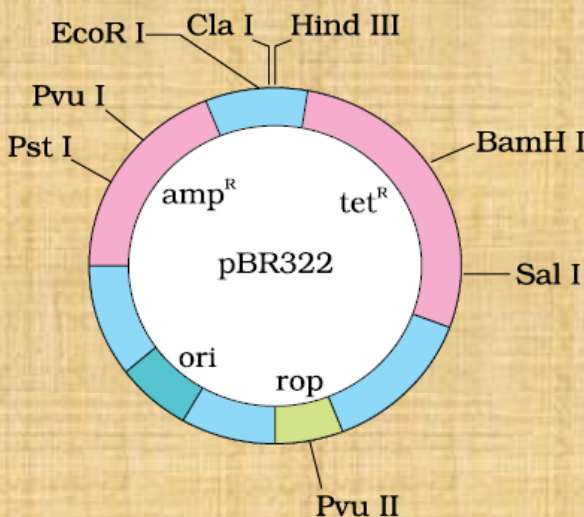
Cloning vectors are used to transfer Foreign DNA into host organism.

Ex. **Bacteriophages** (High Copy Number))

#### Plasmids

Features that require to facilitate cloning into a vector.

- 1) Ori:
  - I) Replication site
  - II) Controls Copy Number
- 2) Selectable marker - Antibiotic resistance gene.
- 3) Cloning site



*Fig E. coli cloning vector pBR322*