



- 13) Write notes on the following :
- CaCl<sub>2</sub> method of gene transfer.
  - SDS-PAGE.
- 14) What is bioremediation ? Explain the methods of bioremediation of pesticide, heavy metals and detergent.
- 15) Explain the production of modern fuels. Add a note on their Environmental impact.

## SECTION - D

IV. Answer the following.

(10×1=10)

- What is cDNA ?
- The recognition site for ECOR1 is
- What is denaturation ?
- COS-site.
- DNA hybridization.
- What are biopesticide ?
- Expand ddNTP's.
- What are exhaustible fuel ?
- What is endomycorrhizae ?
- Name the antibiotic resistance markers in pBR-322.



## SECTION - C

(3×10=30)

- iii. Answer any three of the following
- What are restriction enzyme ? Give the types and mechanisms of their action.
  - Describe the production of human insulin by rDNA technology.