



1



2



3

## Chapter 6

### Advanced Technologies - Accelerator, Laser, Plasma, Fusion



4



5



6



7



## Captions for Photo-Collage

- 1 *Photograph of Folded Tandem Ion Accelerator (FOTIA) column and the tank developed at BARC, Mumbai.*
- 2 *Beam lines of Variable energy cyclotron centre (VECC) at Kolkata,*
3. *Lasers are being developed for various industrial applications at CAT, Indore – shown here is a laser being used for cutting operation.*
- 4 *Assembly of various parts of Steady State Tokamak (SST-1) at IPR, Gandhinagar.*
- 5 *Test bench set-up of prototype grazing-incidence-grating dye laser oscillator pumped by the green beam (left) from the copper vapour laser, developed at BARC, Mumbai.*
- 6 *Photograph of Photochemical reactor for laser separation of carbon isotopes at BARC, Mumbai.*
- 7 *INDUS -1 Storage ring at CAT, Indore.*

















































