



III. Medicine

- **Nanodrugs:** Nanomaterials are used as nanodrugs for the cancer and TB therapy.
- **Laboratories on a chip:** Nanotechnology is used in the production of laboratories on a chip.
- **Nano-medibots:** Nanoparticles function as nano-medibots that release anti- cancer drug and treat cancer.
- **Gold-coated nanoshells:** It converts light into heat, enabling the destruction of tumours.
- **Gold nanoparticles as sensors:** Gold nano particles undergo colour change during the transition of nano particles.
- **Protein analysis:** Protein analysis can also be done using nano materials.
- **Gold nanoshells for blood immunoassay:** Gold nano shells are used for blood immuno assay.
- **Gold nanoshells in imaging:** Optical properties of the gold nano shells are utilized for both imaging and therapy.
- **Targeted drug delivery using gold nanoparticles:** It involves slow and selective release of drugs to the targeted organs.
- **Repairing work:** Nanotechnology is used to partially repair neurological damage.