

## LECTURE 5

- Protoplast, cell, tissue and organ culture.
- ❖ *In-vitro* pollen germination and fertilization
- ❖ protoplasm and cell fusion
- ❖ Crop propagation and somatic embryogenesis in rapid multiplication of agriculture and rural development in the developing countries.

## PRACTICALS:

- Preparation of media
- Aseptic transfer of explants
- Micro-propagation of plants