

Total No. of Pages : 01

M.Pharmacy (Pharmacogonosy) (2017 & Onwards) (Sem.-2)

Subject Code : MPG-201

Paper ID : [74949]

Max. Marks : 75

1. Attempt any FIVE questions out of SIX questions.

2. Each question carries FIFTEEN marks.

1. What is recombinant DNA technology? Describe the perspectives for development of plant biotechnology as a source of medicinal agents.
2. What are monoclonal variations and synthetic seeds? Describe the techniques used in for micropropagation of medicinal and aromatic plants.
3. What is immobilization? Describe the immobilization techniques of plant cells and its applications in the production of secondary metabolites.
4. What is biotransformation? Describe the bioreactors used for pilot and large scale cultures of plant cells giving suitable examples.
5. What are single cell proteins? Describe the applications of fermentation technology in pharmaceutical industry.
6. What is cloning of plant cell? Describe different methods of cloning and its applications.