

Q.P.Code: 3304

Reg No:

M Pharm Part I Degree Examinations – June 2012

(Pharmacognosy & Phytochemistry)

Paper IV - Medicinal Plant Biotechnology

Time: 3hrs

Maximum Marks: 100

- Answer all questions
- Draw diagrams wherever necessary

Essays:

(2x20 =40)

1. Explain plant tissue culture and its application to pharmacognosy
2. Explain in detail principle, method and application of gene transfer in plants

Short Essays:

(6x10=60)

3. Explain DNA hybridization
4. Explain gene mutation and genetic engineering.
5. Discuss the bioreactors and cryopreservation
6. How do you select and screen high yielding cell line.
7. What are the factors which affect the production of biomedicines.
