

Code No: 13175/PCI

FACULTY OF PHARMACY**M. Pharmacy (Pharmacognosy) II-Semester (PCI)(Suppl.) Examination,
February 2019****Subject: Medicinal Plant Biotechnology****Time: 3 Hrs****Max. Marks: 75****Note: Answer any five questions. All questions carry equal marks.**

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|---|-------------------------------------------------------------------------------|----|
| 1 | Write a note on hairy root culture. | 15 |
| 2 | Discuss the following | |
| | a) Micropropagation | 9 |
| | b) Elicitors | 6 |
| 3 | a) Explain Production of ergot alkaloids | 6 |
| | b) Write abt Synthetic seeds | 9 |
| 4 | a) Discuss the different techniques involved in immobilization of plant cells | 9 |
| | b) Write a short note on protoplast fusion. | 6 |
| 5 | a) Write abt liposome mediated gene transfer in plants. | 10 |
| | b) Write the applications of PCR in plant genome analysis. | 5 |
| 6 | a) Discuss Recombinant DNA technology | 8 |
| | b) Write abt genetic and molecular biology as applied to pharmacognosy. | 7 |
| 7 | Write a note on | |
| | a) Genetic code | 5 |
| | b) Somoclonal variation | 10 |
| 8 | Write the srce, production and applications of | |
| | a) Amylase b) Papain c) Peroxidase. | 15 |
