

Code No. 13158 / PCI

FACULTY OF PHARMACY**M. Pharmacy (Pharmacognosy) I – Semester (PCI) (Main & Backlog) Examination,****February 2019****Subject: Phytochemistry****Time: 3 Hrs****Max.Marks: 75****Note: Answer any five questions. All questions carry equal marks.**

- 1 a) Explain the concept of Bioguided extraction technique.
b) Describe the Super critical extraction technique with advantage and disadvantages.
c) Explain the spectral characters of Menthol. 5+5+5
- 2 a) Write the applications of HPTLC, LCMS and GCMS.
b) Discuss the chemistry of Artemesin. 10+5
- 3 Give the srces, structures and isolation of Sennosides and piperine. 15
- 4 a) Discuss the role of herbs as a srce of drugs in drug discovery process.
b) Explain the selection and optimization of lead compnds. 7+8
- 5 a) Define the extraction and types of extracts.
b) Write the principle of extraction and discuss the methods of varis extraction Techniques. 5+10
- 6 a) List the basic metabolic pathways and explain the shikmic acid pathway.
b) Define and classify the steroids. 10+5
- 7 Give an informative note on
a) Phases of clinical trials.
b) HPTLC 8+7
- 8 Describe the structural features and spectral characters of Nicotine, Citral and luteolin. 15
