

Master of Pharmacy 1st semester examination 2017

Subject: Pharmacognosy I

Time: 3 hour

Full marks: 100

(Answer any five questions taking at least two from each group)

Group A

1. Classify chromatography as per their principles of separation. Write down the principle, instrumentation and applications of HPLC. 6 + 14 = 20
2. Define bioautography. Write down the applications of bioautography in identification of bioactive scaffolds. 2 + 18 = 20
3. Write an explanatory note on different approaches of herbal drug research, their scopes and applications. Explain the term 'Reverse Pharmacology'. (8 x 2) + 4 = 20
4. Write an account on plant as a source of novel antidiabetic agents. Explain with respect to the mode of actions with suitable examples. 20
5. Write notes on
 - a. Ion exchange resin chromatography
 - b. Column chromatography
 - c. Molecular exclusion chromatography8 + 6 + 6 = 20

Ref No: Ex/PG/PHAR/T/111B/29/2017

Master of Pharmacy 1st Semester Examination 2017

Subject: Pharmacognosy I

Time: 3 hours

Full marks: 100

Answer any **five** questions taking at least two from each group

GROUP - B

6. a) How will you extract the soluble constituents from plant drugs for industrial uses?
b) Thin layer chromatographic Characterization of crude drugs 10+10
7. Write in general pharmacological action of crude drugs for human ailments 20
8. Write notes on: a) Natural drugs of Protein group 10+10
b) Storage of crude drugs
-