

M. Pharm. 1st year, 2nd semester Examination 2017

Subject: Pharmacognosy II

Time: 3 hours

Full Marks: 100

(Answer any five taking at least 2 from each group)

Group A

1. How will you detect the expression of proteins in the cells? Describe in detail will proper explanation of any one method for studying the expression of proteins. 20
2. Define clinical trials. Mention the types and phases of clinical trials. 20
3. Describe the method of screening the anti-diabetic effect of a test sample. How will you predict the probable mechanism behind the anti-diabetic effect? 20
4. Write notes on (any two) 20
 - a. Animal ethical committee
 - b. Animal cell culture
 - c. Acute toxicity studies
 - d. Screening of anti-inflammatory agent

GROUP - B

Answer five questions, taking at least two from each group, all question carry equal mark

5. Write in details about the sea as a source of drugs. 20
6. Give an idea about the distribution of pharmaceutical aids in nature that can be use in various pharmaceutical preparations. 20
7. Write short notes on : 20
- a) Pest and pest control in the field of medicinal and aromatic plants
 - b) Microscopic evaluation of crude drugs