

Roll No .....

**MPY-202(PCL)**

**M.Pharmacy II Semester**

Examination, May 2019

**Advanced Pharmacology - II**

**Time : Three Hours**

**Maximum Marks: 70**

- Note:** i) Attempt any five questions.  
ii) All questions carry equal marks.

1. a) Write note on the CPCSEA guidelines for performing experiments on animals. 7  
b) Discuss the methods as alternative to the animal studies. 7
2. a) Discuss the screening methods available for anti-inflammatory drugs. http://www.rgpvonline.com 7  
b) Explain the methods used for screening of analgesic drugs. 7
3. List out screening methods of Gastric ulcer. Explain in detail about pyloric ligation induced ulceration. 14
4. Discuss various methods for screening of diuretic agents. Explain in detail procedure to measure saluretic activity of rats in laboratory. 14
5. Explain Blind Neuro-pharmacological screening. Discuss the methods for screening of antipsychotic agents on animal models. 14

6. a) What are animal cell lines and write their uses. 7  
b) Discuss the limitations of in-vitro testing of drugs. 7
7. Discuss in detail about various methods for screening of Hypoglycemic agents. 14
8. a) Write note on the screening models for Anti-Fertility agents. 7  
b) Discuss the cell-culture methods for screening of anticancer drugs. 7

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