

MALIBA PHARMACY COLLEGE
M. Pharm Sem-II Examination April 2014
Subject code:040050202

Subject Name: Pharmacometrics Screening Methods in Pharmacology

Date: 07/04/2014

Total marks: 70

Time: 01.30pm to 04.30 pm

Instructions:

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Draw diagrams/figures whenever necessary

- Q. 1 a) Classify different animal model and explain its application for screening of drugs. 06
b) Write about different techniques for microbiological assays of antibiotics. 05
OR
b) Write about OECD guidelines for acute toxicity. 05
- Q. 2 a) Define bioassay. Write down the principle of bioassay. Describe methods of bioassay for Adrenaline. 06
OR
a) Discuss principle involve in evaluation of anti-inflammatory agents using different animal models. 06
b) Describe neuropharmacological test in blind screening. 06
- Q. 3 **Answer the following in detail. (Any two)** 12
a) Describe various methods for induction of dyslipidemia.
b) Write a note on cell-line and patch - clamp techniques.
c) Write a note on 'official tests for pyrogens'.
- Q. 4 a) Write in brief about in vivo methods for evaluation of Antiasthmatics. 05
OR
a) Explain application and Importance of transgenic animals in screening of drugs 05
b) Describe various methods for evaluation of cytoprotective activityfor drugs used in peptic ulcer. 06
- Q. 5 a) Describeany two screening methods for anti-anginal drugs. 06
OR
a) Enlist various target based model for screening of anti convulsant activity. Discuss any one in detail. 06
b) Discuss the principle involved in evaluation of anit-asthamtic drugs using different animal models. 06
- Q. 6 **Answer the following in detail. (Any two)** 12
a) Different models for testing anticataract drugs
b) Discuss application of potentiation of hexobarbital sleeping time
c) Write briefly about models for inflammatory bowel disease.