

Rajiv Gandhi University of Health Sciences, Karnataka

First Semester M. Pharm Degree Examination - 22-Jul-2022

[Time: 3 Hours]

[Max. Marks: 75]

PHARMACOLOGICAL AND TOXICOLOGICAL SCREENING METHODS-I

Q.P. CODE: 5135

Your answers should be specific to the questions asked
Draw neat, labeled diagrams wherever necessary

Answer All The Questions

10 x 7.5 = 75 Marks

1. Discuss the types of records and SOPs to be maintained by IAEC as per CPCSEA guidelines.
2. With the help of a flow chart, discuss the methods to produce transgenic animals and its applications.
3. Enumerate the preclinical models for screening anti-psychotic drugs. Explain the principle and procedure of Cook's pole climbing apparatus for anti-psychotic drug screening.
4. Explain any three models for the screening of drugs for depression.
5. What is Straub's tail? Mention a few drugs that can produce this phenomenon. Explain any two methods used for the screening of centrally acting analgesic activity.
6. Describe the screening procedures for Aphrodisiacs and Antifertility agents.
7. Enumerate various methods used for the screening of anticancer agents. Explain any two methods.
8. Enlist different methods for the screening of anti-diabetic drugs and explain any two models.
9. With a neat diagram explain the general principles of immunoassays. Explain the theoretical basis and optimization of immunoassays.
10. Explain the limitations of animal experimentation and alternative to animal experiments.

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