

Rajiv Gandhi University of Health Sciences, Karnataka
First Semester M. Pharm Degree Examination - 05-Jun-2024

[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. Describe the regulatory requirements for animal care facilities as per CPCSEA
2. Enlist different transgenic models with suitable examples. Explain the application of transgenic animals
3. List the various mazes to assess learning and memory. Explain any two methods to induce dementia in animals
4. Discuss the methods for the screening of anti-epileptic drugs
5. Explain the models for the screening of drugs for peptic ulcer
6. Discuss in vivo methods to screen female antifertility agents
7. Mention in vivo methods for the screening of anti-diabetic drugs and explain any two models
8. List various animal models to screen anti-arrhythmic drugs. Write a short note on ouabain-induced arrhythmia
9. Discuss the problems associated with the extrapolation of in vitro data to preclinical and preclinical to humans
10. Explain the principles of immune assays of insulin. Discuss the screening procedure for the immunomodulators

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