

Rajiv Gandhi University of Health Sciences, Karnataka

First Semester M. Pharm Degree Examination - 08-Nov-2023

[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. Enumerate various preclinical models to evaluate antianxiety activity of a drug. Explain any three models.
2. What are nootropic agents? Enumerate the screening methods. Explain three in-vivo methods.
3. List the screening methods for antiarrhythmic activity of a drug and discuss any one invitro and two in-vivo method.
4. Discuss various methods to produce transgenic animals.
5. Write a note on methods of euthanasia of experimental animals.
6. Discuss four *in-vivo* methods to screen an agent for treatment of epilepsy.
7. Explain one model each from *in-vivo* and *in-vitro* methods to evaluate antiasthmatic activity of a drug.
8. Explain the stress induced ulcer model and pylorus ligation method to evaluate an antiulcer agent.
9. Write a note on methods to induce acute and chronic renal hypertension in rats.
10. Explain the general principles of immunoassays.

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