

Rajiv Gandhi University of Health Sciences, Karnataka
First Semester M. Pharm Degree Examination - 21-Nov-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. What are various animal models for evaluation of antiulcer drugs? Write any two preclinical models for screening of anti-ulcer drugs
2. Explain the three preclinical screening models for anti-epileptic agents
3. Explain the three preclinical screening models for anti-hypertensive agents
4. Explain the three screening methods of evaluating anti-cancer drugs
5. Production and maintenance of transgenic animals. Applications of transgenic animals in research
6. Breeding techniques of laboratory animals? What are the different species of animals used in experimental pharmacology?
7. What are the alternate to animal experiments and its limitations?
8. Write the preclinical evaluation methods for immunosuppressant and immunomodulator
9. Explain *in-vitro* and *in-vivo* screening method for analgesics activity.
10. Explain the principle and preparations of immunoassay for insulin and digoxin.

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