

Rajiv Gandhi University of Health Sciences, Karnataka

First Semester M. Pharm Degree Examination - 23-Mar-2021

[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 methods to evaluate a compound for anti-epileptic activity. Discuss four *in vivo* methods to screen an agent for treatment of epilepsy.
2. What are the commonly used methods to screen an agent for antihypertensive agents? Discuss two *in-vitro* and one *in-vivo* methods.
3. Which are the commonly used general anesthetics for small laboratory animals? Write a note on methods of euthanasia of experimental animals.
4. Explain four models for screening an agent for anti Parkinsonism activity.
5. What are the various *in-vitro* methods to screen analgesic agents and discuss any two methods?
6. List the commonly used methods to screen an agent for antianginal agents. Discuss any three *in-vivo* method.
7. Explain four methods to evaluate an agent for immunosuppressant activity.
8. Write a note on alternatives to animal experiments in pharmacology.
9. Discuss the screening methods to evaluate antiasthmatic activity.
10. Discuss the Immunoassay of Digoxin.

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