

Rajiv Gandhi University of Health Sciences, Karnataka

First Semester M. Pharm Degree Examination - 14-Jan-2020

[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.

LONG ESSAY (Answer any Three)

3 X 10 = 30 Marks

1. Explain two in-vivo screening models for evaluating anticonvulsant activity.
2. What is catatonia? Describe any two screening methods for anti-parkinsonism drugs.
3. List out screening methods for gastric ulcer. Explain pylorus ligation induced ulcer and NSAIDs induced ulcer.
4. Describe in-vitro screening methods for evaluating anticancer activity.

SHORT ESSAY (Answer any Nine)

9 X 5 = 45 Marks

5. Write a note on transgenic animals.
6. Discuss the different methods of blood collection in laboratory animals.
7. Write note in despair swim test.
8. Enumerate different screening methods for anti-fertility agents and describe any one.
9. List out different models to evaluate anti-diarrhoeals. Explain any one model.
10. Explain in brief the methods to screen antiasthmatics.
11. Describe any two screening methods for antihypertensive agents.
12. Explain screening methods to evaluate hypoglycaemic agents for type 2 diabetes.
13. Write a note on different cell lines used in screening techniques.
14. Explain the general principles of immunoassays.

* * * * *