

Rajiv Gandhi University of Health Sciences, Karnataka

First Semester M. Pharm Degree Examination - 15-Nov-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. What are various animal models for evaluation of anxiolytics? Explain in details any two preclinical models for screening of anxiolytics
2. Explain any three preclinical screening models for anti-allergic agents
3. Explain the three preclinical screening models for anti-diuretics agents
4. Explain the three methods of evaluating anti-diabetics agents
5. What are screening methods for anti-psychotics? Explain any two *in-vivo* methods for screening anti-psychotics drugs
6. What is the anesthesia and euthanasia techniques for laboratory animals? Applications of different species in experimental pharmacology?
7. What are the methods for extrapolation of *in vitro* data to pre-clinical and pre-clinical to humans?
8. What are the *in-vitro* and *in-vivo* animal model for screening of anti-inflammatory drugs?
9. Enlist the *in-vivo* preclinical model for anti-dyslipidemic agents. Explain any one *in-vivo* model for screening of anti-dyslipidemic agents
10. How do you differentiate the heterogeneous and homogenous immunoassay systems? Give examples.

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