

Rajiv Gandhi University of Health Sciences, Karnataka
VIII Semester B. Pharm Degree Examination – 29-Jun-2022

Time: Three Hours

Max. Marks: 75 Marks

EXPERIMENTAL PHARMACOLOGY

Q.P. CODE: 5042

Your answers should be specific to the questions asked

Draw neat labeled diagrams wherever necessary

All the Questions are compulsory

LONG ESSAYS

2 x 10 = 20 Marks

1. Enumerate and explain various Preclinical Screening methods for Antipsychotic drugs.
OR
Describe various screening methods for Sympathomimetic drugs. Explain on model in detail.
2. List out the various screening methods for Antihypertensive drugs. Discuss one In-vitro & One In-vivo method.

SHORT ESSAYS

7 x 5 = 35 Marks

3. Write a brief note on Maintenance of Laboratory Animals.
OR
Explain two preclinical screening methods for Alzheimer's disease.
4. Explain any one preclinical screening method for Skeletal muscle relaxants.
OR
Describe any two preclinical screening methods for analgesic activity.
5. Explain the significance of statistical analysis of student T test.
6. What is Euthanasia? Describe different methods of Euthanasia.
7. Explain any two preclinical screening methods for Antidepressant activity.
8. Describe any two preclinical screening methods for Antidiabetic drugs.
9. Describe any one preclinical screening method for diuretic activity.

SHORT ANSWERS

10 x 2 = 20 Marks

10. Enlist various techniques for collection of Blood Sample.
11. What is OECD? Briefly describe breeding techniques.
12. List out the screening models for analgesic activity.
13. Explain the preparation of drug solution in regard with various solvents used.
14. Explain the mechanism of chemical induced convulsions for screening of Anti-epileptic drugs.
15. Enlist the various screening methods for Anti-inflammatory drugs.
16. Enlist the various screening methods for Antiasthmatic activity.
17. Explain the Possible ways of Graphical representation of a data.
18. Enumerate the different screening methods for Parasympatholytics.
19. What are Parametric and nonparametric tests?
