

QP Code: 830006

Reg. No.....

**Eighth Semester B. Pharm Degree Supplementary Examinations  
November 2022  
Experimental Pharmacology  
(2017 Scheme)**

**Time: 3 Hours**

**Max. Marks: 75**

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw diagrams wherever necessary*

**Essays**

**(2x10=20)**

1. Explain two models to evaluate anti-hypertensive activity of test compounds.
2. Explain the principle and procedure of a screening model to evaluate learning and memory, using rodents.

**Short Notes**

**(7x5=35)**

3. Explain a model to test anti-parkinsonism activity of test compounds.
4. Breeding of animals as per CPCSEA.
5. A procedure to test anti-coagulant activity of test compounds.
6. A method to test cytotoxicity of compounds using cell lines.
7. Experimentally, how do you evaluate if a compound can induce mydriasis.
8. Student 't' test to analyze data.
9. One animal model to test the activity of beta receptor blockers.

**Answer Briefly**

**(10x2=20)**

10. The suitability of rodents for screening anti-emetic activity of test compounds.
11. List two applications each, for hamsters and monkeys in experimental pharmacology.
12. Give two examples each for parenteral and inhalational general anaesthetics used in laboratory animals.
13. What are the applications of transgenic animals.
14. Write the types of bedding materials for rodents.
15. Can you evaluate cycloplegic activity of a test compound using rabbits.
16. List two animal models/tissues and their corresponding responses to evaluate adrenergic alpha-blocking activity.
17. Name two classes of compounds that can contract tracheal muscles.
18. When do you use ANOVA to analyze data.
19. What are pie charts

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