QP Code: 830006   Reg. No…………………….

Eighth Semester B. Pharm Degree Regular/Supplementary
Examinations July 2024
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. (a) Define euthanasia. Explain the techniques of euthanasia.
   (b) Applications of different species and strains of common laboratory animals.
2. Briefly explain the preclinical screening models for anti-parkinsonism. Add a note on the animal models for antiasthmatics.

Short Notes   **(7x5=35)**

3. Popular transgenic and mutant animals.

4. Rationale for selection of animal species for in vivo studies.

5. Preclinical screening models for sedatives and hypnotics.

6. Explain on rotarod and inclined plane experiments in animal models.

7. Define and classify diabetes. Enlist the preclinical screening models for type 1 and type 2 diabetes.
8. Explain a screening method for anticancer activity.

9. Students 't' test.

Answer Briefly   **(10x2=20)**

10. Cavia porcellus and Oryctolagus cuniculus laboratory animals.

11. Techniques of blood collection.

12. List the screening models for antipyretics.

13. Enlist the preclinical screening models for drugs acting on eye.

14. Explain any one model for screening of anticoagulant activity.

15. What is the importance of sham control.

16. Lipschitz test.

17. Define null and alternate hypothesis.

18. What is CPCSEA and write down its functions.

19. How to represent statistical data in a pie diagram.

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