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## **MPY-PCL(B)**

**M.Pharmacy III Semester** Examination, June 2020

### **Pharmacological Drug Screening**

**(Elective)**

**Time : Three Hours**

**Maximum Marks : 70**

**Note :** i) Attempt any five questions.

ii) All questions carry equal marks.

1. Explain various principles and strategies used in new drug discovery.
2. Describe patch-clamp technique. Add a note on application of patch-clamp technique.
3. Write in details about basic principles in design of experiments.
4. Give correlation between in-vitro and in-vivo screening. Explain cell line based assay.
5. What are Transgenic animals? Emphasize on merits and demerits of use of transgenic animal in pharmacological screening of drugs.
6. Explain the meaning of Degree of freedom. What is statistical hypothesis? Write a note on Paired and unpaired comparison.
7. Describe various pharmacological screening models of antifertility agents.
8. Write a short note on any two:
  - a) ED 50
  - b) t-test
  - c) Screening of drugs affective calcium channels.

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