

Contents

<i>Preface</i>	<i>ix</i>
<i>Syllabus</i>	<i>xi</i>
Introduction to Pharmacology	1
1. Maintenance of laboratory animals as per CPCSEA guidelines.....	19
2. To study the common laboratory animals used in experimental pharmacology.....	26
3. To study the general introduction and experimental pharmacology.....	35
4. Commonly used instruments in experimental pharmacology	40
5. Common laboratory techniques. Blood withdrawal and euthanasia used for animal studies	46
6. Serum and plasma separation to given sample.....	52
7. Study of different routes of drugs administration in mice/rats	55
8. Effects of drugs on the ciliary motility of frog oesophagus (Gastrointestinal Tract).....	62
9. To study the Mydriatic effect of topically applied atropine on rabbit eye.	65
10. To study the muscle relaxant property of diazepam in Rat/ mice using rotarod apparatus.....	69
11. Effect of drugs on locomotor activity using Actophotometer.....	73
12. To study the activity of anti-convulsant/antiepileptic drug against PTZ (Pentylene-tetrazol) induced convulsions.....	75
13. Study of anxiolytic activity of drugs using rats/mice	79

14. Study of effect of hepatic microsomal enzyme inducers
on the phenobarbitone sleeping time in mice 83
15. To study the local anaesthetic property of procaine HCl
using nerve block anaesthesia by frog foot withdrawal method..... 87