



[Time: 3 Hours]

[Max. Marks: 100]

**PHARMACOLOGICAL SCREENING METHODS
AND CLINICAL EVALUATION**

PAPER III

(RS 2 & RS 3)

Q.P. CODE: 9243

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary. Answer all questions

LONG ESSAY (Answer any TWO)

2 X 20 = 40 Marks

1. Briefly explain the CPCSEA guidelines for the usage of animal for research purpose
2. a) Write down the methods of indication of inflammation in experimental animals
b) Freund's adjuvant – Explain
c) Discuss in detail about evaluation of drugs for anti-inflammatory activity
3. Discuss in brief about discovery and development of new drugs

SHORT ESSAY (Answer any FIVE)

5 X 10 = 50 Marks

4. Phase – II metabolic reactions
5. Patch – clamp technique
6. Pharmacokinetic variability in individualization of drug therapy
7. Screening of drugs for antiulcer activity
8. Screening of drugs for epilepsy
9. Screening of drugs for amnesia

SHORT NOTES

2 X 5 = 10 Marks

10. Four point bioassay
11. Transgenic and knockout animals

* * * * *