



**PHARMACOLOGICAL SCREENING METHODS  
AND CLINICAL EVALUATION**

**PAPER III  
(RS2 & RS3)**

**Q.P. CODE : 9243**

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

**LONG ESSAY (Answer any TWO)**

**2 X 20 = 40 Marks**

1. Write about the principle, indications, importance, merits and demerits of bioassay. Explain about the three methods of bioassays used for agonists.
2. Describe various animal models for screening of drugs for antiulcer activity.
3. Write in detail about process of drug absorption. Discuss various factors affecting drug absorption.

**SHORT ESSAY (Answer any FIVE)**

**5 X 10 = 50 Marks**

4. Define and write notes on enzyme inhibition, enzyme induction with suitable examples.
5. Briefly discuss about various pharmacokinetic compartmental models.
6. Explain any two in-vivo models for screening antipsychotic activity.
7. Write about any three experimental models to screen anti-diabetic activity.
8. Explain the study design in clinical trials.
9. Explain the effect of various physiological barriers on drug distribution.

**SHORT NOTES**

**2 X 5 = 10 Marks**

10. Write notes on patch clamp technique
11. Explain in detail the screening methodology of test sample for its antihelminthic activity

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