

Time: Three Hours

Max. Marks: 100 Marks

PHARMACOLOGICAL SCREENING METHODS AND CLINICAL EVALUATION**(Revised Scheme 4)****Q.P. CODE: 9350**

Your answers should be specific to the questions asked.

Draw neat, labeled diagrams wherever necessary. Answer any ten questions.

LONG ESSAY (Answer any TEN)**10 X 10 = 100 Marks**

1. Explain two methods to evaluate the efficacy of investigational molecule for anti malarial activity.
2. Discuss the various models used to screen anti angina agents.
3. Enlist the models for screening anti-epileptics drugs and explain any two.
4. Explain stress induced ulcer models and pylorus ligation model to evaluate an anti ulcer agents.
5. Explain the various steps involved in development of a new drug.
6. Write a note on genetically modified animal models with their role in understanding disease and treatment.
7. List out various cell lines and their applications in preclinical studies.
8. Discuss the responsibilities of the principal investigator and sponsors in clinical research.
9. Write a note on Schedule Y.
10. Write a note on micro dosing in clinical trials and discuss patient selection and blinding in clinical trials.
11. Write a note on patch clamp technique.
12. Explain the concept and importance of Pharmacovigilance in drug safety.

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