

**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. Discuss various phases of clinical trials. Explain the informed consent form
2. Describe the various methods used to screen antidepressants drug. Discuss the methods by which an anti anxiety drug can be differentiated from an antidepressants
3. Are days for bioassays is going to be over. Explain principles, experimental models and statistical design in a bioassays. Discuss the bio assay of insulin

**SHORT ESSAY (Answer any FIVE)****5 X 10 = 50 Marks**

4. Preparation of investigational new drug / new drug application
5. Screening of antiarrhythmic drugs
6. Physiological models in drug development
7. Preclinical models for antiparkinsonism drug
8. Movement of the drug through membrane
9. Patch clamp technique

**SHORT NOTES****2 X 5 = 10 Marks**

10. Variability in drug action due to age, sex and weight
11. Volume of distribution

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