



AJEENKYA
D Y PATIL UNIVERSITY

End Term Examinations (April 2019)

School : School of Engineering

Program: B.Tech Biotechnology (Medical)

Course: Pharmacology & Toxicology

Course Code: BTE313

Semester: VI

Total Marks : 50

Duration (min) : 120

Answer any 5 questions.

Each question carries 10 Marks.

1. Describe the different types of insulin formulation and their utility as medicine.
2. Discuss Ames test in detail for mutagenesis assay.
3. What is LD50? What is the role of animals in toxicology? Can you describe alternatives to animal testing? Discuss.
4. What are Hematinics ? Discuss the classes of hematinic drugs with examples.
5. What is NSAID? Classify NSAID with examples and mechanism of action.
(10)
6. Describe the receptor concept in pharmacology with examples.
7. Write a note on first pass metabolism of drugs.
8. What are the advantages and disadvantages of oral route of drug administration? Discuss.
9. What are the steps of drug discovery? Discuss in details.
10. Write a note on side effects of medicines.