

**The West Bengal University of Health Sciences**  
**M.D. (Pharmacology) May - June, 2022 Examination**

Paper: III

Full Marks: 100  
Time: 3 Hours*Attempt all questions*

1. State principles of good clinical practice based on International conference on Harmonization. 10
2. Mention different types of lever used in isolated tissue experiment. 10
3. State role of mouse as an experimental animal. 10
4. Discuss the methods of euthanasia in animals. 10
5. Explain the role and status of contract research organization. 10
6. Discuss the significance of randomization in clinical trials. Elaborate on the practicable methods of randomization. 10
7. Role of a Pharmacologist in Ethics Committee. 10
8. Protein kinase receptor pathway. 10
9. Describe Calcimimetic Drugs. 10
10. Describe in short the methods used as an alternative to animal models. 10