

**The West Bengal University of Health Sciences**  
**M.D. (Pharmacology) March- April, 2020 Examination**

Paper: III

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

1. How will you screen new drug for analgesic activity? 10
2. Describe role of Guinea pig as an experimental animal. 10
3. Describe ethics in use of animal in laboratories. 10
4. Describe methods in quality control of an assay. 10
5. Write briefly about genetic analysis in drug therapy. 10
6. Explain Forest plot. 10
7. Describe the use of human tissue assays as per clinical development. 10
8. Describe the use of Central tendencies (measures) in drug research. 10
9. Write a short note about the Drugs & Cosmetics Act (India). 10
10. Describe the legal requirements for evaluation of a drug in human. 10