

**JADAVPUR UNIVERSITY**  
**Dept. of Pharmaceutical Technology**

**M. Pharm 1<sup>st</sup> year, 2<sup>nd</sup> Semester, 2024**

**Sub: Biological Evaluation of Drug Therapy**

**Time: 3Hrs.**

**Full Marks: 75**

Answer **ANY FIVE** of the following questions

1. Write down short notes on the following 5x3=15
  - a. Plasma protein binding drugs.
  - b. Depyrogenation of parenterals.
  - c. Absolute and Relative bioavailability.
2. What is Glaucoma and its main cause? Describe the several treatment strategies available for treating glaucoma. 3+4+8=15
3. "In myasthenia gravis, the immune system makes antibodies that block or destroy many of your muscles' receptor sites" – discuss briefly the symptoms and treatment for such cases. 7.5+7.5=15
4. What do you understand by Parkinsonism? Elaborate the use of dopaminergic drugs in Parkinson's disease. 5+10=15
5. Write a note on biological evaluation of drug including its toxicity profile. 15
6. Write short notes on the following 5x3=15
  - a. Define surgical ligature and suture. What is absorbable suture?
  - b. Write in short about the sterilization process of cat gut.
  - c. What is chromicized cat gut?
7. What are the different types of toxicology? Explain in brief. 15