

Department of Pharmaceutical Technology, Jadavpur University, Kolkata 700 032
B. Pharm. 4th year 2nd Semester Examination 2022
END SEMESTER EXAM

Paper –Pharmacology IV
Time – 03 hrs

Subject code: PHARM/T/423
Full Marks – 70

ATTEMPT ALL QUESTIONS

SECTION A (25 marks)

- (Q1) Write down the antifungal mechanism of action for Ketoconazole, Amphotericin B and Caspofungin. (15)
- (Q2) Write down the lifecycle of Female Anopheles mosquito in context to the Disease Malaria. (10)

SECTION B (25 marks)

- (Q3) Define Bioassay. Write the advantages and disadvantages of Bioassay. Classify bioassay with proper example. Write in short about Acetyl choline bioassay. (2+4+4+5=15)
- (Q4) Write notes on (*any two*): (5X2=10)
- a) Histamine bioassay
 - b) Microcytic hypochromic (iron deficiency) anaemia.
 - c) Fibrinolytic system and agents.
 - d) Antiplatelets drugs.

SECTION C (20 marks)

- (Q5) Discuss the mode of action, therapeutic uses and adverse effects of following: (*any two*)
- a) Isoniazid
 - b) Rifampicin
 - c) Linezolid (5x2=10)
- (Q6) Briefly mention about the therapeutic regimen for new patients and previously treated patients of pulmonary tuberculosis based on RNTCP guidelines 2016. (10)