



QP CODE: 25047433



Reg No :

Name :

M.Sc DEGREE (CSS) EXAMINATION, NOVEMBER 2025

Third Semester

M Sc BIOCHEMISTRY

ELECTIVE - BC820301 - PHARMACOLOGICAL BIOCHEMISTRY

2019 ADMISSION ONWARDS

AD397ABE

Time: 3 Hours

Weightage: 30

Part A (Short Answer Questions)

*Answer any **eight** questions.*

*Weight **1** each.*

1. Identify any two factors that modify drug action.
2. Explain in your own words about the classification of adverse drug responses.
3. How are drugs classified based on the site of action?
4. Write a note on cytochrome P450.
5. How are cyclooxygenase enzyme inhibitors important in drug development?
6. Explain about antimalarial drugs.
7. Explain the term structure-activity relationship in pharmacology with suitable examples.
8. What are the uses of streptomycins?
9. What are the phases in drug development?
10. What are soft drugs? Explain with suitable examples.

(8×1=8 weightage)

Part B (Short Essay/Problems)

*Answer any **six** questions.*

*Weight **2** each.*

11. Differentiate between drug tolerance and drug dependence.
12. Write a short note on Drug Abuse.
13. Explain renal clearance in terms drug clearance from the body.
14. What is bioavailability of drug? How is it determined?
15. What are graded and Quantal dose-response curves?





16. Explain the general principles of chemotherapy.
17. Explain in detail on the mode of action and uses of Adrenocorticoid class of drugs.
18. Write in detail on the methods of Computer Aided Drug Design (CADD).

(6×2=12 weightage)

Part C (Essay Type Questions)

*Answer any **two** questions.*

Weight 5 each.

19. Explain in detail on the sources of drugs, dosage forms and routes of administration.
20. Explain the process of drug metabolism in detail.
21. Write in detail on the molecular basis of drug action through drug-receptor interactions.
22. Write a short note on a) DNA polymerase inhibitors b) Cytochrome P450 inhibitors

(2×5=10 weightage)

