

MPC 103T

Roll No.

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

ODD SEMESTER EXAMINATION , 2022-23

COURSE NAME :- M.PHARM

SEMESTER- IST

SUBJECT :- ADVANCED MEDICINAL CHEMISTRY

TIME: 3 HOURS

MAX MARKS:75

NOTE: Attempt all questions.

(2x10)

PART A

Multiple choices Question (Answer all Question)

1. Types of receptors.....
2. Validation is.....
3. Enalapril, Clonidine, Salmeterol, add acetazolamide, which one is prodrug?
4. Describe the term of drug resistance?
5. Cox inhibitors are.....
6. Name of any 2 antihypertensive drugs.
7. Gene therapy is.....
8. Nucleotides are.....
9. Thromboxanes are.....
10. Describe the term of Peptidomimics?

PART B

Long answer type question (Answer any Two Questions)

10X2

11. Go over the stages of drug development with the lead.
12. Give an explanation of prodrug design and its consideration.
13. Discussion of SAR, synthesis, and mechanism of action of COX-1 and COX-2 inhibitor.

PART C

Short Answer Question (Answer any seven question)

7X5

14. Describe the targets for biological drugs.
15. How can drug resistance be combated in antibiotics?
16. Describe the differences between classical and non-classical analog design.
17. Elucidate the design of stereoisomers.
18. Express the geometric isomers.
19. Summarize SAR of antihypertensive drugs
20. Discuss role of chirality in specific therapeutic agents
21. Focus on the therapeutic values of Peptidomimetics.
22. Chemistry of prostaglandins with proper explanation.