

Pharmaceutical Chemistry (BMB-332)

Term Test-1

Full Marks- 25 Time- 1 hour

1. Define the term Bioavailability. We have a drug with different dosage forms of several systemic administrations. If we want both reasonable bioavailability and safety, which route should we use? 3
2. What are the factors that should be accounted for influencing bioavailability? 2
3. How different types of drug molecules cross the barrier of cell membrane? 3
4. Why Liver is known to be a mandatory site for drug metabolism? What are the primary results of drug biotransformation? 3
5. There is a drug with a structure like that of the figure-
Schematically show, what will be its possible biotransformation steps. 3
6. In a graded dose response curve, show the basic points of dose-response relation. 3
7. Explain with graph- the difference in mechanism of full and partial agonist. 3
8. What is Allosteric antagonism? Define- potency and relative potency. 3
9. Name some molecules which are covalently attached to a drug after phase-1 reaction. What is the reason behind that? 2

