

Pramukh Swami Science & H.D. Patel Arts College, Kadi
Master of Vocation Pharmaceutical Chemistry Semester- II
Internal Examination, March-2019,
(MPC-202) Advanced Pharmacology - II

Time: 2 hours 26/03/2019 Total Marks: 60

Que-1. Answer any 12 questions. Each question carries 1 mark [12]

1. Who is the father of Pharmacology?
2. What is Elimination?
3. Full form of GTP & DAG.
4. Name the active form of following Pro-drugs: -
A) BAC
B) Enalapril
5. Larger the Therapeutic window, smaller the safety range. (True/False)
6. Define pKa.
7. Tmax tells about _____ & Unit of Cmax _____.
8. When $\text{pH} - \text{pKa} = 02$ then give the following values _____.
(a) Value of D (b) Ionised ion concentration
(c) Unionised ion concentration
9. The magnitude of the drug effect depends on the number of receptors occupied by the drug. (True/False)
10. Tubular reabsorption depend on _____.
11. Define Biotransformation.
12. Higher the value of Vd means _____ of drug entering in tissues.
13. Enlist the various parameters used in Pharmacodynamics study.

Que.2. Answer any five questions. Each question carries 4marks [20]

1. Define Ligand & classify it.
2. Give brief explanation on Excretion of drug.
3. Explain in brief about Autoerine & Paracrine signalling.
4. Short not on Plasma Drug Concentration & Drug Profile Study.

5. Explain in brief about Biotransformation..
6. Explain the role of Ligand and Receptor in cellular signalling.

Que.3. Answer any four questions. Each question carries 7 marks [28]

1. Role of Absorption in ADME study.
2. Explain in detail about G-Protein Couple Receptor.
3. Explain in detail about Dose Response Curve.
4. Give a detail note on bioavailability.
5. Explain in detail about Phospholipase C, IP₃, and DAG Pathway.