

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[PHARMD 1023]

OCTOBER 2023

Sub. Code: 3823

**PHARM 'D' AND PHARM. 'D' (POST BACCALAUREATE) DEGREE
EXAMINATION
FOURTH YEAR
PAPER V – BIOPHARMACEUTICS & PHARMACOKINETICS**

Q.P. Code: 383823

Time : Three hours

Answer ALL Questions

Maximum : 70 Marks

I. Elaborate on:

(4 x 10 = 40)

1. Enlist factors affecting GIT absorption of drugs and explain briefly Patho physiological factors affecting absorption.
2. What is Non linear kinetics? What are the causes that make it happen?
3. Elaborate renal elimination of drugs.
4. What is method of residual? How could be used in pharmacokinetics?

II. Write notes on:

(6 x 5 = 30)

1. Write in brief tissue localization of drugs.
2. Write about methods used to estimate bioavailability.
3. What are advantages and limitations of Non compartmental model?
4. What are the types of dosage regimen?
5. Discuss briefly about one compartment IV infusion model.
6. Estimate the creatinine clearance of a 30 year old 70 kg man with serum creatinine level of 2 mg %. What is the renal function of this patient?
