

[PHARMD 0321]

MARCH 2021

Sub. Code: 3823

(OCTOBER 2020 EXAM SESSION)

PHARM 'D' AND PHARM. 'D' (POST BACCALAUREATE) DEGREE EXAMINATION

FOURTH YEAR

PAPER V – BIOPHARMACEUTICS AND PHARMACOKINETICS

Q.P. Code : 383823

Time : Three hours

Maximum : 70 Marks

I. Elaborate on:**(4 x 10 = 40)**

1. Explain the various physiological barriers in the distribution of drugs.
2. MRT for various pharmacokinetic models.
3. Define Absorption. Explain in detail about in vitro drug dissolution testing models.
4. Explain oral two compartment kinetics. Derive and compute K_a by using Loo - Riegelman metho

II. Write notes on:**(6 x 5 = 30)**

1. Urinary excretion studies.
2. Discuss Latin square design in bioequivalent study.
3. ONE compartmental - IV infusion administration
4. Write a note on statistical moment theory.
5. Factors affecting Bioavailability.
6. Factors affecting renal excretion.
