

FACULTY OF PHARMACY**M. Pharmacy (Pharma Analysis) II- Semester (PCI) (Main) Examination, Aug. 2019****Subject: Modern Bio Analytical Techniques****Time: 3 Hrs****Max Marks: 75****Note: Answer Any Five Questions. ALL Questions carry Equal Marks.**

1. a) What is the importance of extraction of drugs and metabolites from biological matrices?
b) Describe the bioanalytical method procedure for liquid and solid phase extraction? 15
2. a) Mention the different alternative methods of dissolution testing transport models 11
b) Define solubility & permeability based on biopharmaceutics classification system. 4
3. Describe various drug interaction (pk -pd) interactions? 15
4. Discuss the principles and applications of flow cytometry. 15
5. Write the different methods for the assessment of bioavailability and bioequivalence? 15
6. a) Explain the drug permeability by in-vivo method? 8
b) Write notes on cross over design. 7
7. Write notes on the following
a) Drug interaction linked to transporters. 8
b) Cryopreservation techniques. 7
8. Discuss about the design and evaluation of bioequivalence studies. 15
