

FACULTY OF PHARMACY**M. Pharmacy (Pharma Analysis) II- Semester (PCI) (Suppl.) Examination,****January 2020****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? 5
b) Describe the bioanalytical method procedure for liquid and solid phase extraction? 10
2. a) Mention the different alternative methods of dissolution testing. 11
b) Define solubility & permeability based on biopharmaceutics classification system. 4
3. Describe various drug (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
