

**FACULTY OF PHARMACY**

**M. Pharmacy (Pharm. Analysis) II-Semester (PCI) (Main) Examination,  
August 2018**

**Subject: Modern Bio Analytical Techniques**

**Time: 3 Hrs**

**Max. Marks: 75**

**Note: Answer any five questions. All questions carry equal marks.**

- 1 Write notes on bio analytical method validation as per FDA Guidelines? (15)
- 2 Explain the factors effecting for enhancement of bioavailability of drugs? (15)
- 3 Describe the Cytochrome P450-based drug interactions ? (15)
- 4 Write brief notes on
  - a) Varis types of cell culture (8)
  - b) LC-MS in bioactivity screening and proteomics (7)
- 5 Describe the principles and applications of cell viability assays of MTT assays?(15)
- 6 Write the alternate methods for dissolution testing? (15)
- 7
  - a) Define and explain bioavalability, bioequivalence and biosimilar. (6)
  - b) Write abt varis design to conduct bioavailability studies. (9)
- 8
  - a) Discuss abt the bioanalytical methods such as protein precipitation . (7)
  - b) Describe the varis solubility techniques . (8)

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