

**QP CODE: 212329**

**Reg. No:.....**

**Second Semester M.Pharm Degree Examinations August 2018**

**M.Pharm (Pharmaceutical Analysis)**

**Paper II: Modern Bio-Analytical Techniques (MPA 202T)**

**(2017 Scheme)**

**Time: 3 Hours**

**Total Marks: 75**

- Answer all Questions.
- Draw Diagrams wherever necessary.

**Essays**

**(3x10=30)**

1. Explain the principle and procedure involved in MTT assay
2. Explain in detail liquid- liquid extraction
3. Describe in detail about EMEA guidelines for bioanalytical method validation

**Short Notes**

**(9x5=45)**

4. Solid phase extraction
5. Methods of assessing bioavailability
6. Principle and applications of flow cytometry
7. Cytochrome P-450 based drug interactions
8. Types of cell culture
9. Factors affecting drug bioavailability
10. LC MS in bioactive screening
11. Clinical significance of bioequivalence studies
12. Cryopreservation

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