

QP Code: 105329

Reg No: .....

First Year M.Pharm Degree Examinations – July 2015

**(Pharmaceutical Analysis)**

**Paper I - Advanced Pharmaceutical Analysis**

**Time: 3 hrs**

**Maximum Marks: 100**

- *Answer all questions*
- *Draw diagrams wherever necessary*

**Essays:** **(2x20 =40)**

1. Explain the quantification of hydroxyl and ketone functional group present in pharmaceuticals (10+10)
2. What are preservatives and classify them. Explain the quantitative procedure for any two (2+4+7+7)

**Short Essays:** **(6 x10=60)**

3. Explain the evaluation techniques including principle of formulation containing steroids
4. Discuss the practice and concept behind microbiological assay of antibiotics
5. Describe the procedure for calibration and validation of HPLC
6. What is immunofluorescence. How does it employed in pharmacy.
7. Discuss the applications of ninhydrine and 2,6-dichloroquinone chloride in estimation of pharmaceuticals
8. Discuss the QC test for any one of the external preparation

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