

# **2010 scheme**

**QP CODE: 402006**

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

## **Final Year B.Pharm Degree Supplementary Examinations June 2022 Pharmaceutical Analysis – II**

**Time: 3 Hours**

**Total Marks: 100**

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw Diagrams wherever necessary.*

### **Essays**

**(3x10=30)**

1. Write the theory and principles of NMR spectroscopy. Give basic of NMR interpretation of organic compounds
2. Explain theory of scattering analysis of dispersion by nepheloturbidimetry and its applications
3. Explain theory of absorption, reasons for deviation from Beer-Lambert's law and pharmaceutical application of UV spectroscopy.

### **Short notes**

**(14x5=70)**

4. Write the principle of Flame emission photometry
5. Give various regions of IR absorption and its uses
6. Detection of volatile compounds by GC
7. With example write application of X-ray diffraction
8. Brief on detectors used in UV
9. Regulatory control and regulatory affair
10. How does molecules analysed by fluorescence method
11. Primary electrodes of potentiometer
12. Write on dropping mercuric electrode
13. Instrumentation of HPLC
14. Thermal methods and their applications
15. Differentiate TLC and HPTLC, mention application of HPTLC
16. Give separation theory of gel filtration
17. Briefly write on quality audit

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