

**Department of Chemistry**  
**Comprehensive Examination Syllabus for PhD Students**  
**September 2023**

**Core Module:**

Basic principles and application of IR, Raman, Electronic absorption, NMR, EPR, and Fluorescence spectroscopies, X-Ray and Mass spectrometry for structural elucidation of molecules and materials.

**Specific Module:**

(To be communicated by the respective Guide to the students)