

Course Code: 2MSC4
Course: Analytical Chemistry-II
Credit: 3
Last Submission Date: October 31, (for January session)
April 30 (for July Session)

Max. Marks:-30
Min. Marks:-11

Note:-attempt all questions.

- Que.1 Calculate the t_{max} according to the Beer Lambert's law.
- Que.2 What is IR spectroscopy? Explain its instrumentation on and application.
- Que.3 Write short notes on.
- (a) Types of bending in IR spectroscopy
 - (b) Application of UV-& Visible spectroscopy.
- Que.4 Explain the theory & instrumentation of NMR.
- Que.5 Write short notes on
- (a) Spin spin coupling
 - (b) Shielding & deshielding effect.
- Que.6 Explain the an-Isotropic effect of NMR spectroscopy.
- Que.7 What is Mc- Lafferty rearrangement.
- Que.8 Explain the application of mass spectroscopy.
- Que.9 Explain the fragmentation of alcohol and ketenes.
- Que.10 Explain the Instrumentation and application of NAA.