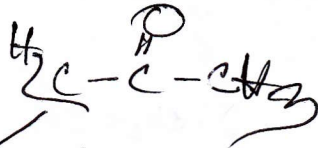


Term Test-II (3rd year 2nd semester exam. 2015)

Course Name: Chemistry of Natural Products (BMB 331)

Marks: 10, Time: 40 minutes, Date: 02.08.2015



Question

1. a. Define Bathochromic shift. How will you detect $\text{C}=\text{C}-\text{C}=\text{C}$ by UV spectroscopy?
- b. What do you mean by finger print region? Predict a IR spectrum of 1-hydroxy propanone.
- c. How does resonance occur in NMR spectroscopy? Predict NMR spectra of allylbromide.
- d. What is McLafferty rearrangement? show the fragmentation pattern of 2-pentene.

Marks

2.5

2.5

2.5

2.5

