



ASSIGNMENT-1

Course- M.Sc Chemistry

Sub code-211

Sub-Photochemistry

.Year- 2nd year/3rd sem

Last date of Submission-06/11/2016

Instruction

- 1) Write the responses to the assignment in your own handwriting.
- 2) Submit the responses to your HOD within the due date.
- 3) Write your name, program and Enrollment nu clearly at the top of the page.

Q1.

- a) Write down a short note on photochemical formation of smog?
- b) Describe the photochemistry of vision. Explain laws of photochemistry.

Q2.

- a) Explain the photochemical reaction of aromatic compound with proper reaction.
- b) Explain reaction mechanism of Photo fries reaction.



ASSIGNMENT-1

Course- M.Sc Spectroscopy

Code-MC-212

Sub- Spectroscopy Chemistry

Year- IInd year/3rdsem

Last date of Submission-06/11/2016

Instruction

- 1) Write the responses to the assignment in your own handwriting.
- 2) Submit the responses to your HOD within the due date.
- 3) Write your name, program and Enrollment nu clearly at the top of the page.

Q1.

- a) Explain different type of excitation in ultraviolet spectroscopy and factors effecting these excitations.
- b) What is solvent effect in different type of excitation in ultraviolet spectroscopy.

Q2.

- a) What is degree of freedom ? Calculate the degree of freedom for CO_2 , NH_3
- b) What is ESR spectroscopy . Calculate the number of hyperfine lines C^{13} in CHCl_3 , CH_2CL_2 , CH_3 Free radical?



ASSIGNMENT-1

Course- M.Sc

Sub Code: MC-213

Sub-Analytical Chemistry

Year- 1st year/1stsem

Last date of Submission-06/11/2016

Instruction

- 1)Write the responses to the assignment in your own handwriting.
- 2)Submit the responses to your HOD within the due date.
- 3)Write your name, program and Enrollment nu clearly at the top of the page.

Q1.

- a)Explain the following Chromatography technique.
- b)Explain the thermogravimetry analysis with diagram. (TGA)

Q2.

- a)Define the **Errors**. Define the different types of Error.
- b)Explain the Classification of analytical methods-classical and instrumental Method.



ASSIGNMENT-1

Course-M.Sc

Sub code-MC-214

Sub-Bio-organic chemistry

Year- 2nd year/IIIrdsem

Last date of Submission-06/11/2016

Instructions

- 1)Write the responses to the assignment in your own handwriting.
- 2)Submit the responses to your HOD within the due date.
- 3)Write your name, program and Enrollment nu clearly at the top of the page.

Q1.

- a) Describe, relation between proteins and amino acids? Give stereochemistry of amino acid?
- b) . Give an account of isolation of Amino acid?

Q2

- a) . Describe the detailed structure of proteins and determination of primary structure of protein?
- b) . Explain chemical & biological catalysis? Give remarkable properties of enzymes?