Department of Chemistry

ASSIGNMENT-1

Programme- B.Sc.(Hons.) **Sub code-CHE-311**

Course-Inorganic Chemistry **Year**- IIIrd year/Vthsem

Last date of Submission-11/09/2017

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) Give the postulates of VBT and explain with proper example.

b)What is crystal field splitting theory? What are the factor effecting CFT.

Q2.

a)Draw the energy diagram of octahedral and tetrahedral complex. .

b) How can you explain the variation and limitation of Crystal field theory ?

Department of Chemistry

ASSIGNMENT-1

Programme - B.Sc.(Hons.) **Sub code-CHE-312**

Course -Physical Chemistry **Year**- IIIrd year/Vthsem

Last date of Submission-11/09/2017

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) What is chromatography? Explain different types of chromatography.

b) Define and explain RF value.

Q2.

a) Explain the working of paper chromatography.

b) How the components are separated using thin layer chromatography technique?

ASSIGNMENT-1

Programme - B.Sc. (Hons.) **CODE**- BSCCH-311
Course -Organic Chemistry **Year**- III[rd] year/V[th]sem

Last date of Submission-11/09/2017

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 classification and biological importance of carbohydrate.

b) Give the basic properties of Carbohydrate.

Q2.

a) Give the properties and absolute configuration of Glucose.

b) Give the properties and absolute configuration of fructose.

ASSIGNMENT-1

Programme B.Sc. (Hons.) **CODE**- BSCCH-312

Course- Spectroscopy Chemistry **Year**- IIIrd year/Vthsem

Last date of Submission-11/09/2017

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) Give the principal of Molecular Spectroscopy.

b) Explain and discuss the Emission spectra with proper diagram.

Q2.

c) Explain and discuss the absorption spectra with diagram.
d) Define and Explain transition probabilities and selection rules of Molecular spectroscopy.