Assignment Topic for Open Book Exam

Department of Chemistry

B.Sc. Chemistry

Semester II

H3-Organic and Physical Chemistry

1-Resonance: Structure of Benzene

OR

2-Chemical reaction of Alkenes

H4-Industrial Chemistry

1-Soaps and detergents

OR

2-Cement Manufacturing Process

S2- Organic and Physical Chemistry

1-Markownikoff's rule

OR

2-Polymerisation of alkenes

B.Sc. Chemistry

Semester IV

H7-Advanced Chemistry

1-Electrochemistry

OR

2-Carboxylic Acids- Their derivatives, reactions and uses

H8- Industrial Chemistry

1-types of Cement

OR

2-types of paints

S4- Advanced Chemistry

1-Co-ordination Compounds

OR

2-Corrosion- Types, methods

M.Sc. Chemistry (*Second Semester*)

MCH-405

Inorganic Chemistry II

1- Intensity of various type electronic transitions

OR

2- Higher boranes

MCH-406

Organic Chemistry II

1- Explain Arenium ion mechanism with its type.

OR

2- Write Perkin reaction with its mechanism.

MCH-407

Physical Chemistry II

1- Homogenous catalysis

OR

2- Gibbs adsorption isotherm

MCH-408

Spectroscopy II and Diffraction Methods

1-Quadrupole moment & quadrupole nuclei

OR

2-Advantages of NMR

M.Sc. BioChemistry (*Second Semester*)

(BCH-201)
Enzymology

1-Immobilized enzyme & its application

OR

2-Properties of multienzyme system

(BCH-202)
MICROBIOLOGY

1-Sterlization and disinfectant

OR

2-Industrial production of lactic acid

(BCH-203)
BASIC STATISTICS AND COMPUTER

1-Measurement of central tendency

OR

2-Graphical representation of data

(BCH-204)
MOLECULAR BIOLOGY

1-Types of mutations

OR

2-Regulation of gene expression in prokaryotes