



ASSIGNMENT-1

Programme- M.Sc. Subject

CODE-MC-111

Course -Inorganic Chemistry

Year- 1st year/1stsem

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) VSEPR theory determines the geometry of molecules, explain the postulates of VSEPR theory.
- b) Explain and discuss the Walsh diagrams.

Q2.

- a) Explain the d-p bonds and Bent rule.
- b) Define and explain the types of hybridization with proper example..



ASSIGNMENT-1

Programme- M.Sc Subject

Code- MC-112

Course-Organic Chemistry

Year- 1st year/1stsem

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 conjugation bond in detail with proper example.
- b) Explain the Delocalized chemical bonding.

Q2.

- a) Define and explain bonding in fullerenes compound..
- b) Homolytic fission form free radical. Explain free radical, their properties, chemical reaction with proper example..



ASSIGNMENT-1

Programme- M.Sc. Subject

Code- MC-113

Course -Physical Chemistry

Year- 1st year/1stsem

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) Define the setup of Schrodinger wave equation.
- b) Explain the Schrodinger equation for one dimensional particle in a box.

Q2.

- a) Derive the equation for Simple harmonic oscillator (S.H.O).
- b) Explain the postulates of quantum mechanics.



ASSIGNMENT-1

Programme- M.Sc

CODE- PHEY -115

Course - Fundamental of Renewable Energy Technologies

Year- IInd year/IIIrdsem

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.

Question 1

- (a) Describe the various renewable resources that have the potential to fulfill the needs of the society.
- (b) What is Manitoba Biomass Energy Support Program (MBESP)?

Question 2

- a) Describe the basic principles of solar energy.
- b) Write objectives of solar water heaters. Discuss advantages and disadvantages of solar water heaters.



ASSIGNMENT-1

Programme- M.Sc
Course –Computer Fundamental and its application

Code -MCA-114-4
Year- 1st year/IInd 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) As you know that computer is an electronic machine. So,draw the block diagram of computer? Also explain each component of it.
- b) Define Primary & Secondary Memory?

Q2.

- a) What do you mean by operating system? Explain in brief.
- b) Define the terms
 - I. Software
 - II. Hardware
 - III. Alogorthm