



## MONAD UNIVERSITY HAPUR (UP)

**Course: B.Sc -I, Subject Name: ALGEBRA AND TRIGONOMETRY**

Assignment No: 1

Due date of submission: 10.11.2016

### 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 me, and Enrolment No. clearly at the top of the page.

Q.1.

- (a) Resolve  $e^{\sin(x+iy)}$  into real and imaginary part.
- (b) Define all property of group.

Q2.

- (a) Show that the set of all positive rational numbers forms an abelian group under the composition  $a*b=ab/2$
- (b) Prove identity element of a group is unique.



## MONAD UNIVERSITY HAPUR (UP)

**Course: B.Sc -I, Subject Name: ALGEBRA AND TRIGONOMETRY**

Assignment No: 2

Due date of submission: 10.11.2016

### 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 me, and Enrolment No. clearly at the top of the page.

Q.1.

(a) To prove  $\cos(x) - \cos(y) = 2\sin\left(\frac{x+y}{2}\right) \cdot \sin\left(\frac{y-x}{2}\right)$ .

(b) Separate  $\frac{\sin(x+iy)}{(x+iy)+1}$  into real and imaginary parts.

Q2.

(a) Find sum of the series  $(1/2) - (1/3 \cdot 2^5) + (1/5 \cdot 2^9) - (1/7 \cdot 2^{13}) + \dots$

(b) Sum of the series  $c \sin x + c^2 \sin 2x + c^3 \sin 3x + \dots$  and so on.



## MONAD UNIVERSITY HAPUR (UP)

**Course: phy-111 Electronics Physics**

**Assignment: 1**

**Due date of submission: 10/11/2016**

**Instructions:**

1. Write the response to the assignment in your own handwritings.
2. Submit the response to your H.O.D. within the due date.
3. Write your name, program and enrollment no. clearly at the top of the page.

Q1(a). Explain the theory of oscillating charge of a capacitor through a circuit containing inductance and resistance.

Q1(b). Explain superposition theorem with two examples.

Q2(a). Define the term voltage regulation. Zener diode works as voltage regulator. Is this statement true? If yes elaborate.

Q2(b). Explain P-N junction diode, its working and characteristics curve .

# **MONAD UNIVERSITY HAPUR**

**Course: phy-111 Electronics Physics**

**Assignment: 2**

**Due date of submission: 10/11/2016**

**Instructions:**

1. Write the response to the assignment in your own handwritings.
2. Submit the response to your H.O.D. within the due date.
3. Write your name, program and enrollment no. clearly at the top of the page.

Q1 (a) Define filter? Classify them on their working action.

Q1 (b) State and Explain Bark hausen criterion for sustain oscillation.

Q2 (a) Explain elements of transmission in reception in radio communication.

Q2 (b) Draw a neat Diagram of C.R.T (Cathode Ray Tube). Describe its Various parts and Explain its working.



## **ASSIGNMENT-1**

**Course-** B.Sc PCM/ZBC/Hon

**Sub code-**

**Sub-**Inorganic Chemistry

**Year-** 1<sup>st</sup> year/1<sup>st</sup> 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) Explain the following with proper examples
  - i) Aufbau Principle
  - ii) Hund's rule of Maximum Multiplicity
  - iii) Pauli's Exclusion Principle
- b) Explain Periodic Table and its characteristics with their properties.

Q2.

- a) Define and Explain VSEPR Theory . Describe the structure of H<sub>2</sub>O and NH<sub>3</sub> molecule on basis of these theory.
- b) Explain the postulates of VBT. Give MOT for O<sub>2</sub> and CO molecule.



## **ASSIGNMENT-2**

**Course-** B.Sc PCM/ ZBC/ B.Sc(H)

**Sub code-**

**Sub-** Inorganic Chemistry

**Year-**1<sup>st</sup> year/1<sup>st</sup>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) Explain diagonal relationship of s- block elements.
- b) What is Borohydrides. Give salient features of hydrides.

#### **Q2.**

- a) Explain structures of Boranes.
- b) Explain the chemical properties of Noble gas. Discuss structure of Xenon compounds (any one).

# **ASSIGNMENT-1**

**Course-** B.Sc PCM/      **Sub code-**

**Sub-Physical Chemistry Year-**1<sup>st</sup> year/1<sup>st</sup>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) What is the mater. define with suitable example
- b) What is Van der Walls force .explain

### **Q2**

- a) What is root square mean. Explain with suitable example.
- b) What is x ray diffraction method. Explain with example .



## **Department of Chemistry**

### **ASSIGNMENT-2**

**Course-** B.Sc (PCM) /(ZBC) /(Hons)

**Sub code-**

**Sub-Physical Chemistry**

**Year-** 1<sup>st</sup> year/1<sup>st</sup>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) Explain the Boyles and Charles law with example.
- b) Define & Discuss the Kinetic Theory of gases .

Q2.

- a) Define Bragg equation with diagram.
- b) Explain the classification of Colloids.





## MONAD UNIVERSITY HAPUR (UP)

**Course: B.Sc -I, Subject Name: Computer Fundamentals**

Assignment No: 1

Due date of submission: 10.11.2016

### 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 me, and Enrolment No. clearly at the top of the page.

### Q.1

- a) What do you mean by programming languages? Write Types of Programming Languages in brief?
- b) Define Primary & Secondary Memory?

### Q.2

- a) Explain the Block Diagram of Computer in brief?
- b) Define Symbols of Flowchart in brief?

## Assignment-II

Assignment No: 02

Due Date of Submission: 10 Nov. 2016

Instructions:

- Write the responses to the assignment in your own handwriting.
- Submit the responses to your HOD with in the due date.
- Write your Name, Programme & Enrolment No. Clearly at the top of the page.

Question: 01

- a) Explain the introduction of office Automation & What is features of MS word?
- b) What do you understand Algorithm and Explain the Advantages & disadvantages of algorithm?

Question: 02

- a) Explain the introduction of MS-Excel and write the advance features of MS-Excel- pivot table & pivot Chart?
- b) Explain the MS-Power Point with Example?



## MONAD UNIVERSITY HAPUR (UP)

**Course: B.Sc -I, Subject Name: Organization Behavior**

Assignment No: 1

Due date of submission: 10.11.2016

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 me, and Enrolment No. clearly at the top of the page.

Q:-1

- (A) Explain Organization Behavior and its importance.
- (B) Discuss the importance of Motivation.

Q:-2

- (A) Explain any 1 theory of Motivation.
- (B) What is learning? And explain its Principles

### **Assignment – 2**

Q:-1(A) Explain the importance of Perception.

- (B) Discuss the Perceptual process.

Q:-2(A) What are the factors determining the Attitude.

- (B)What is Group dynamics and explain its types.