



MONAD UNIVERSITY HAPUR (UP)

Programme: B.Sc.

Semester: I

Course: MTH-111 Algebra and Trigonometry

Assignment No: 1

Due date of submission: 11.09.2017

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

Q.1

- (a) As you are aware of the sequences, briefly define sequences and their types with examples. Test the convergence of the series, whose n^{th} term is

(i) $\frac{\sqrt{n}}{n^2+1}$ (ii) $\sin \frac{1}{n}$

- (b) Show that the sequence $\langle S_n \rangle$ defined by

$$S_n = \frac{1}{n+1} + \frac{1}{n+2} + \dots \dots \dots \frac{1}{n+n}$$

Converges.

Q2.

- (a) As you are aware of the group, prove that $(ab)^{-1} = b^{-1}a^{-1}$, $a, b \in G$ i.e. the inverse of the product of two elements of a group G is same as the product of the inverse of each element taken in the reverse order.
- (b) Prove that the order of an element a of a group is same as that of its inverse a^{-1} .

Course: phy-111 Electronics

Assignment: 1

Due date of submission: 11/09/2017

Instructions:

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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 operation of a half wave rectifier and derive the I_{DC} , E_{DC} , P_{DC} I_{RMS} Ripple factor.

Q1 (b). Define the term voltage regulation. Zener diode works as voltage regulator. Is this statement true? If yes elaborate.

Q2 (a) As you are aware of LED. Explain the construction and working of LED.

(b) How a PN junction acts as rectifier? Explain.



Department of Chemistry

ASSIGNMENT-1

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

Sub code-CHE-111

Sub-Inorganic Chemistry-1

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 Hund's rule of maximum multiplicity with proper example..
- b)Give the definition of all four Quantum number with example .

Q2.

- a) Derive De.Brogli equation.
- b)Explain the rule for filling of electron in different orbital on basis of Affbau principle with proper example..



Department of Chemistry

ASSIGNMENT-2

Programme- B.Sc(PCM)/(ZBC) /(Hons)

Sub code-CHE-112

Sub-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)Explain the Boyles and Charles law with example.
- b)Define & discuss Vander Waals equation of gases .

Q2.

- a)Give the postulates of kinetic theory of gases. .
- b)Differentiate between ideal gas and real gas.

Course: Basics of Computer Applications (BCA-113)

Submission Date: 11 September 2017

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 ,Programme and enrollment number clearly at the top of the Pages

Q.1

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?

Q.2

a) Conversions

$(11100011101010)_2 = (\dots\dots\dots)_8, (\dots\dots\dots)_{10}, (\dots\dots\dots)_{16}$

b) Define the terms

i) Software

ii) Hardware

iii) Firmware

Assignment Number: 1
Course code:
Class: BSc
Title: Organisation Behaviour
Last Dates for Submission: 11th Sep, 2017

Instructions

1. Write the responses to the assignment in your own handwriting.
2. Submit the responses to your HOD within the due date.

Write your Name, Programme, and Enrolment No. clearly at the top of the page

Question:-1

- a) What do you mean by formal organization?
- b) How good team is formed? And give advantages of good team

Question:-2

- a) What are the objectives of OB?
- b) Why we study motivation theories?