



9153549620 9153549620

dumkalcollege@gmail.com

[Website: www.dumkalcollege.org](http://www.dumkalcollege.org)

DUMKAL COLLEGE

P.O- Basantapur, P.S- Dumkal, Dist.- Murshidabad, West Bengal, Pin- 742406
(Govt. Aided, Affiliated to the: University of Kalyani Included under section 2(f) & 12 (B) of UGC Act.)

NOTICE

13.07.2023

For Submission of assignments (10 Marks per paper)

All the students of **Semester-II Chemistry Honours course and Programme Course**, are hereby instructed to submit their assignments according to the following topics. The hard copy of the assignments must be submitted to the department **within 25/07/2023**. **No assignments will be accepted after the due date.**

- **Assignments for Semester-II Chemistry Honours Course**

Topic for assignments

Inorganic Chemistry (CC-3):

Write a short note on Arrhenius acid and base theory. (5 Marks)

Physical Chemistry (CC-3):

(i) Write a short note on Opposing reaction and consecutive reactions. (3 Marks)

(ii) Briefly discuss temperature dependence of rate constant. (2 Marks)

Organic Chemistry (CC-4):

What is elimination reaction? Explain E_1 , E_2 and E_{1CB} reaction with mechanism and mention energy profile diagram in each case. (10 Marks)

- **Assignments for Semester-II GE paper**

Chemistry (GE Course-2):

Discuss Shapes of some inorganic molecules and ions on the basis of VSEPR and hybridization with suitable examples from s and p block elements of linear, trigonal planar, square planar, tetrahedral, trigonal bipyramidal and octahedral arrangements.

- **Assignments for Semester-II Programme Course**

Topic for assignment

Chemistry (Programme Core Course-2):

Discuss Shapes of some inorganic molecules and ions on the basis of VSEPR and hybridization with suitable examples from s and p block elements of linear, trigonal planar, square planar, tetrahedral, trigonal bipyramidal and octahedral arrangements.

By Order HOD
Department of Chemistry