

VC/UGCBCS/DSE/CHEM/SEMIV/2023

Department of Chemistry
Vivekananda College, Alipurduar
Internal Assessment- 2023
P. Code-DSE 1

Time: 30 Minutes

F.M: 10

All the following questions are compulsory and carried 2.5 marks each.

1. Describe the role of Gypsum in the setting of cement.
2. Briefly explain the working procedure of phase transfer catalyst.
3. Why one uses Lithium ion battery instead of Solid State battery?
4. Define MAP and DAP. Explain the term Galvanization.

VIVEKANANDA COLLEGE
INTERNAL ASSESSMENT, 2023
3rd SEMESTER, CBCS
SUBJECT- CHEMISTRY
PAPER – DSC-3
QUESTION TYPE – ASSIGNMENT

FULL MARKS -10

- Each question carries 5 marks each
- Students are to email the scanned copies of the assignments made on A4 size paper in pdf format to the email id's sciencevcapd@gmail.com and annweshadasjpg@gmail.com
- The last date of submission of the assignments shall be 17/11/2023.
- No marks shall be given for the assignments copies received after the above date.

Q.1 Write a note on Hell-Volhard-Zelinsky Reaction. And also sketch the mechanistic pathway of acidic and alkaline hydrolysis of esters.

Q.2 Derive Clausius - Clapeyron equation and point its importance in phase equilibria. What is Lever rule?

VIVEKANANDA COLLEGE
INTERNAL ASSESSMENT, 2023
5th SEMESTER, CBCS
SUBJECT- CHEMISTRY
PAPER – SEC-3
QUESTION TYPE – ASSIGNMENT

FULL MARKS -10

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Q.1 Write a note on Structure Activity Relationship. Point out its significance by citing examples.

Q.2 What are Carbamates and Organochlorines. Give their examples and also sketch their synthetic pathways.