

- (c) To study the kinetics of saponification of ethyl acetate.
 (d) To compare the strength of HCl and H₂SO₄ by studying kinetics of hydrolysis of methyl acetate.
 (e) To verify the Freundlich isotherm for adsorption of oxalic acid / acetic acid on activated charcoal.

Distribution of marks :

(i) Principle of experiment	3
(ii) Smooth completion of experiment	7
(iii) Data, calculation and result	4
3. Viva voce.	3
4. Regularity in maintenance of laboratory note book.	2
5. Attendance.	4

TDC (CBCS) Odd Semester Practical Exam., 2023

CHEMISTRY

(3rd Semester)

Course No: CHMHCC-303L

(Physical Chemistry)

Full Marks: 30

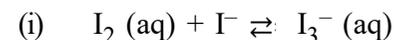
Pass Marks : 12

Time: 12 hours

The figures in the margin indicate full marks for the questions.

Instruction to Examiners

1. Every candidate may be allowed to draw one reaction from the following two to study the equilibrium of that reaction. They are to write the principle of the experiment before actually starting them. A candidate may be supplied with the required information if one so desires but loses marks on that account.



Distribution of marks :

(i) Principle of experiment.	2
(ii) Smooth completion of experiment	3
(iii) Data, calculation and result	2

2. One of the following physical experiments is to be assigned to an examinee by drawing lots. Duplication must be avoided as per as possible.
- (a) To study the kinetics of Iodine-persulphate reaction.
 (b) To study the kinetics of acid hydrolysis of methyl acetate with hydrochloride acid