



FACULTY COUNCIL OF SCIENCE
JADAVPUR UNIVERSITY

NOTICE

It is to notify for information of all concerned that the classes of Ph.D. course Work for the session 2021 - 2022 in the Department of Chemistry under Faculty of Science will commence on **01.07.2022**. All registered candidates who are willing to attend Ph.D. course work under the said department are requested to submit Ph.D. Course Registration form duly forwarded by the concerned Supervisor(s) and HoD of the respective department, to the Office of the Dean & Secretary, Faculty of Science, TEQIP Building on any working days except Sundays, Saturdays and public holidays. The last date of such submission is **Thursday, the 30th of June, 2022**.

Candidates are further requested to contact the HoD of the respective department for the schedule in detail.

The course work registration form and the offered subjects / modules are appended in the consecutive pages.

Sd/-
(Prof. Subenoy Chakraborty)
Dean,
Faculty Council of Science



যাদবপুর বিশ্ববিদ্যালয়

JADAVPUR UNIVERSITY
KOLKATA-700 032

FORM FOR COURSE REGISTRATION FOR PH.D.SCHOLARS
(UNDER F.E.T./F.SC./F.A.)

DEPARTMENT/SCHOOL/INSTITUTION : CHEMISTRY
(in which registered for Ph.D.)

(ENROLMENT FOR SEMESTER: JULY/DECEMBER, JANUARY/JUNE)

1. Name in full (in Block letters) : _____
2. Sex(Male/Female) : _____
3. Address for Communication: _____

4. Phone No. _____ Mobile No. _____ Email: _____
5. Course Taken:

Sl.No.	Name of Subject/course	Subject Code	Department/School/Institution under which subject offered
1.	Research Methodology	A	CHEMISTRY
2.	Review of Research Work	B	CHEMISTRY
3.			CHEMISTRY
4.			CHEMISTRY
5.			CHEMISTRY
6.			CHEMISTRY

Date: _____

Signature of the student in full

Head of the Department/Director of School

Supervisor(s)

Signature of the Dean, Faculty of Science

Registration No. _____ of _____

Date of Registration _____

Superintendent, Ph.D. Cell, Faculty of Science

MODULES / SUBJECTS OFFERED FOR PH.D. COURSE WORK UNDER
DEPARTMENT OF CHEMISTRY

FOR THE SESSION 2021 - 2022

Courses	Subject	Full Marks
Compulsory Units	A. Research Methodology	50
	B. Review of Research Work	50
Elective Units	I.1. Application of Spectroscopic Studies in Chemical Research	25
	I.2. Materials, Catalyses and Electrochemical Studies.	25
	I.3. Metals in Life and Reaction Dynamics	25
	I.4. Single Crystal X-Ray Structures, Supramolecular Chemistry and DFT Computation.	25
	O.1. Spectroscopy and Asymmetric Synthesis	25
	O.2. Synthesis Methodology	25
	O.3. Advanced Organic Synthesis	25
	O.4. Bio-organic Chemistry	25
	P.1. Theoretical Chemistry	25
	P.2. Chemical and Electrochemical Kinetics and Environment Related Electrochemistry	25
	P.3. Biophysical Chemistry and Surface Chemistry	25
	P.4. Photochemistry and Spectroscopy	25

N.B. : Students to opt for four elective units out of the elective units offered, in the following manner:-

- i) First unit from any one of I.1., O.1 & P.1;
- ii) Second unit from any one of I.2., O.2 & P.2;
- iii) Third unit from any one of I.3., O.3 & P.3; and
- iv) Fourth unit from any one of I.4., O.4 & P.4.

16X4 classes to be attended.

Nomenclature of Compulsory Unit:

Illustration: I.2

Abbreviations: I: Inorganic [Similarly O: Organic; P: Physical] & the digit represents Unit No.