

KUVEMPU



UNIVERSITY

CHAIRMAN

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Date : 27-07-2023

Entrance Examination for Ph.D. Admissions

The eligibility test for the selection of candidates to the **Ph.D programme in Industrial Chemistry** is scheduled to be held on **03.08.2023 (Thursday)** at the department of Industrial Chemistry, Kuvempu University, Shankaraghatta, Shimoga district.

The timing of examination is 2.00 pm to 5.00 pm. You can appear for the test on the day, and your selection will be based on your performance in the test and your academic records.

You can collect your admission ticket of the test on the same day (03.08.2023 (Thursday)) from the office of the department of Industrial Chemistry between 10.30am to 1.30pm. You have to submit one stamp size photo to the office.

The entrance test is conducted as per the following norms

Maximum marks for entrance test : **90 marks**

Duration of entrance test: **3 Hrs**

Syllabus for entrance test: Research Methodology and cognate subjects of the P.G. programme of the Department.

There will be THREE parts in the Question Paper :

PART A Consists of 20 objective type questions of ONE mark each. Each question has FOUR multiple answers. Writing more than one option or over writing is liable to rejection.

PART B Consists of EIGHT questions of SIX marks each and FIVE questions are to be answered in the form of short essay.

PART C Consists of SIX questions of TEN marks each and FOUR questions are to be answered in the form of descriptive essay

CHAIRMAN, Dept. of Industrial Chemistry, Kuvempu University Jnanasahyadri Campus, Shankaraghatta – 577451, Shimoga, Karnataka

Syllabus for Entrance Test in Industrial Chemistry

Research Methodology

UNIT 1: Research sources

Selection of research problems and literature survey: primary sources- Journals periodicals, abstracts; Secondary listing of titles, reviews –annual Treatises, serials, monographs and text books, encyclopedia, catalogues, index of tabulated data- Science citation index- Searching the chemical literature-location of journal article- materials on a given topic- information about specific compound- Choosing a problem-abstract of a research paper.

Internet: Introduction to internet-web browsers-World Wide Web-Search engines-literature survey in Chemistry-popular website in chemistry-Database in chemistry.

E-Mail: Introduction to e-mail- creating e-mail-Receiving and sending e-mail.

Patent: Introduction, patentable subject

UNIT 2 :

Research manuscript preparation Full length research paper, short communication, letters, reviews, popular science articles in magazines, Few case studies with reference to journals and periodicals. Presentation of research papers: Oral and poster presentation in seminars, workshops and conferences etc.. Preparation of synopsis and Thesis, Preparation of research project proposals.

UNIT 3: Error Analysis in Chemical Measurements and results

Classification of errors-Accuracy-Precision-Minimization of errors-Significant figures. Statistical treatment of data: Mean and Standard Deviation-distribution of random and normal errors-Reliability of results- Confidence interval- Comparison of mean results students t-distribution and t- tests-Comparison of mean with expected value, comparison of the results of the two different methods, comparison of precision of two methods- Linear regression, regression line, standard deviation, correlation coefficient – Multiple linear regression (one variable with two other variables).

Cognate subjects of the P.G. programme of the Industrial Chemistry

<http://www.kuvempu.ac.in/eng/pgsyllabus.php>

Department of Industrial Chemistry
THE LIST OF STUDENTS APPLIED FOR Ph.D. PROGRAMME IN
Industrial Chemistry: 2022-2023.

Sl.No.	Reg No	Name
01	ICPHD202301	Shruthi.S.M.G.
02	ICPHD202302	Puneeth
03	ICPHD202303	Pooja K M
04	ICPHD202304	Amrutha
05	ICPHD202305	Sahana.I.Sattigeri
06	ICPHD202306	Jeevan Kumar B.K.
07	ICPHD202307	Suma G
08	ICPHD202308	Srikrishna V Y
09	ICPHD202309	Hattali Jakaraya Lakshman
10	ICPHD202310	Savitha B.C.
11	ICPHD202311	Vinutha B.R.
12	ICPHD202312	Hariprashanth R
13	ICPHD202313	T.Ranjith Kumar
14	ICPHD202314	Doddamani Punyananda

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Campus, Shankaraghatta – 577451, Shimoga, Karnataka**