

MASTERS IN INSTRUMENTATION AND COMMERCIAL
METHODS OF INDUSTRIAL ANALYSIS

The course of Masters Degree will be divided in four semesters covering two academic sessions. The first academic session will comprise first and second semester while second academic session, the third and fourth semesters. Each semester shall normally comprise 90 (ninety) working days.

Eligibility :

- (a) M.Sc. Chemistry/Applied Chemistry/Chemical Technology/Agriculture Chemistry/Environmental Chemistry.
- (b) Chemistry as one of the subjects in B.Sc. or B.Sc. Chemical Technology.

Minimum percentage required is 50% in B.Sc./M.Sc.(Chemistry) of Jiwaji University or any other University/Deemed University/Institute recognised by the University.

Admission to the course will be made strictly on the basis of merit. The merit will be decided by the admission committee either on the basis of aptitude test/group discussion and interview or percentage of marks obtained in the qualifying examination. However, details will be finalised by the department and approval of Vice-Chancellor will be taken and will be given in the prospectus.

Candidates who have obtained diploma in Instrumental and Commercial Methods of Industrial Analysis are eligible for admission in III semester of Masters Course provided seats are available. Admission will be made on the basis of merit.

English is the only medium of instruction and examination for this course.

In order to organise extracurricular activities, the students of the course will have a chemical society.

The department will have a placement cell.

The department will have an Alumni association in order to have interaction with those who have graduated from this department.

Examination fee, admission fee and other fee will be in accordance with the decision of the department/university for the said course from time to time.

A student of this programme will not be permitted to take up any other course simultaneously. However, restriction shall not be applicable to the students of language, certificate course, computer classes or remedial classes.

Schema of Examination

The examination of first and third semesters shall consist of four (04) theory papers of 100 marks each, out of which 70 marks shall be for university examination and 30 marks for internal assessment. Two tests of 15 marks each and one make up test for each course will be held on the dates specified by the Head/Coordinator of the Department/School of Studies. The marks of the tests will be counted as the award for internal assessment. Tutorials, practical tests, reports etc. may also be taken into account for internal assessment.

In first and third semesters there will also be two Practicals courses of 100 marks each, out of which 70 marks shall be for university examination and 30 marks for internal assessment.

The second semester will consists of four theory papers of 100 marks each, out of which 70 marks shall be for university examination and 30 marks for internal assessment.

The fourth semester will consists of two theory papers of 100 marks each, out of which 70 marks shall be for university examination and 30 marks for internal assessment.

second semester will also consist of four weeks industrial training. The candidate will submit a project report followed by evaluation and viva. The total marks for the project report and viva is 200. Out of 200 marks, the training and report will comprise 150 marks and viva of 50 marks. An external examiner from University/Industry/Institute will be called to evaluate and conduct the viva. Fourth semester will also have a six to eight weeks industrial training. The candidate will submit a dissertation followed by evaluation and viva. The total marks for the dissertation and viva is 400. Out of 400 marks, the dissertation will be of 300 marks and viva of 100 marks. An external examiner from University/Industry/Institute will be called to evaluate and conduct the viva.

Semester :

Four theory papers of 100 marks each.
The break-up of each paper (100 marks).

Theory	= 70	40%
Internal Assessment	= 30	

Aggregate Pass Marks

Two practical courses of 100 marks each.
The break up of each course (100 marks)

Theory	= 70	40%
Internal Assessment	= 30	

Semester

Four theory papers of 100 marks each.
The break-up of each course (100 marks)

Theory	= 70	40%
Internal Assessment	= 30	
Industrial training and Project Report	= 150	40%
Viva	= 50	

Aggregate Pass Marks

Semester :

Four theory papers of 100 marks each.
The break-up of each paper (100 marks).

		<u>Aggregate Pass Marks</u>
Theory	= 70	40%
Internal Assessment	= 30	

Two practical courses of 100 marks each.
The break-up of each course (100 marks)

Theory	= 70	40%
Internal Assessment	= 30	

Semester :

Two theory papers of 100 marks each.
The break-up of each paper (100 marks).

		<u>Aggregate Pass Marks</u>
Theory	= 70	40%
Internal Assessment	= 30	
Dissertation based on Industrial Training	= 300	40%
Viva	= 100	

A candidate failing in only one course/paper of first semester examination shall be allowed to continue in the second semester. In the second semester the candidate has to appear in this paper/course of first semester (in which he/she has failed in first semester).

The candidate who have cleared all the papers of first semester but have failed in any one papers of second semester will be promoted to third semester. Alongwith third semester, he/she may clear the paper of the second semester.

The candidate who have passed all the papers of first and second semesters but have failed in one paper of third semester will be promoted to fourth semester. Alongwith fourth semester, he/she may clear the paper of the third semester.

The candidates who have cleared the first three semesters but failed in any one papers of fourth semester may appear in the course (in which he/she has failed) as an ex-student in the next semester.

If a candidate fails in more than one papers, he/she will be allowed to appear, as an ex-student in the whole examination of that semester in which he/she has failed. Such candidate (if passed in that examination) will be entitled for admission as a regular student in the next semester, if any.

For such additional attempts the university shall charge additional examination fee as notified by the university time to time.

No candidate shall be allowed more than two attempts (including the original attempt) in a particular semester. If that candidate does not succeed in two attempts too, he/she will not be allowed to continue and will be declared fail.

The result of the first, second and third semesters shall be declared as pass/fail. The final result for Masters degree will be declared after the fourth semester. The total of all the marks secured by the students will be counted and division shall be awarded on the basis of marks secured as follows :

First division	:	60% or above marks in aggregate
Second division	:	Less than 60% but 48% or more in aggregate
Third division	:	Less than 48% but 40% or more in aggregate.