

**REGULATIONS FOR B.Sc. INDUSTRIAL CHEMISTRY DEGREE
PROGRAMME IN SHRI MANIBHAI VIRANI & SMT. NAVALBEN VIRANI
SCIENCE COLLEGE (AUTONOMOUS), RAJKOT
(For students admitted from 2019-20 and onwards)**

1. DEFINITIONS

In these Regulations, unless the context otherwise requires:

- 1.1 **'Program'** means B.Sc. degree programme
- 1.2 **'Course'** means theory and/or practical subjects that are normally studied in a semester, like Industrial Instrumentations, Polymer Chemistry & Technology, Unit Operations and Principles of Chemical Engineering etc.
- 1.3 **'Component'** means industrial training, field visit, or other co curricular aspects complementing the main academic learning.

2. ELIGIBILITY FOR ADMISSION

- 2.1 Candidates for admission to the first semester of B.Sc. Industrial Chemistry degree programmes should have passed a 02 years Higher Secondary Certificate (10+2) examination with science subjects in respective streams of Gujarat State or any other examination recognised as equivalent thereto with a good academic record, shall be eligible for admission, or an Examination of any other authority approved by the Academic Council/ Board of Management/ Governing Body of Shri Manibhai Virani & Smt. Navalben Virani Science College (Autonomous), Rajkot or other regulatory body as equivalent thereto from time to time, keeping the minimum requirements of UGC as the base requirement.
- 2.2 **Lateral Entry:** Candidate seeking admission directly in third semester of B.Sc. Industrial Chemistry must have passed Examination of Diploma in Engineering or Pharmacy or in any relevant specialization programmes from any recognized Technical Board/University approved by the Academic Council/ Board of Management/ Governing Body of Shri Manibhai Virani & Smt. Navalben Virani Science College (Autonomous), Rajkot or other regulatory body as equivalent thereto from time to time. A result of the candidate will be declared by considering his/her marks of semester 3 to 6 in aggregate and accordingly class will be awarded.

3. DURATION OF THE PROGRAMME

- 3.1 The Undergraduate programme leading to the Degree of Bachelor's in Science in Industrial Chemistry shall extend over a period of 6 semesters (3 academic years).
- 3.2 Each semester shall normally consist of 15 weeks (90 teaching days) of course work, which consists of theory, laboratory and tutorial classes.

4. CREDIT SYSTEM

- 4.1 The UG Programmes of Shri Manibhai Virani & Smt. Navalben Virani Science College (Autonomous), Rajkot will follow the structure of CBCS of the UGC.
- 4.2 The UG Programmes shall have the following components of the CBCS pattern:
 - 4.2.1 **Part I -- English Language Courses**
 - 4.2.2 **Part II -- Courses pertaining to the main academic advocacy for obtaining a sound knowledge of Science. It shall consist of courses under different heads based on nature of the course and its learning.**

4.2.2.1 Core courses

4.2.2.1.1 Fundamental Courses

4.2.2.1.2 Advanced Courses

4.2.2.1.3 Applied Course

Core courses are compulsory courses identified by each Department, which give a broad base in the main field of study in the academic programme concerned. They may be theory or practical courses. They may also include dissertation, project and design courses where special emphasis is laid on the application of knowledge to real time problems.

DSE - Core Courses --- these would be departmental elective courses offered by the parent department.

DSE Allied Courses --- these would be courses offered by allied departments which would be inter-disciplinary in nature.

Generic Elective (GE) Courses --- these would be courses offered by departments across the university by various departments of the different Faculty of the University. They would be multi - disciplinary in nature

4.2.3 Part III -- Ability Enhancement Courses (AEC)

4.2.3.1 Ability Enhancement Compulsory Courses (AECC)

4.2.3.2 Skill Enhancement Courses (SEC)

The details of the above courses are provided in the respective Scheme of Instruction & Examination of each Programme. These courses are to enhance the overall personality and skill of the student and are offered across the University.

4.3. It is mandatory for every student to earn the minimum credits under each Part, to earn their degree.

4.4. The details of courses under each Part are indicated in the Scheme of Instruction & Examination of each programme.

5. CREDIT POINTS

Each course / component has generally been assigned a certain number of credits to be awarded to the student according to the following pattern:

5.1.1 Theory - 1 hr of instruction = 1 credit

5.1.2 Practical

5.1.2.1 2 to 3 hrs = 1 credit

5.1.2.2 4 to 5 hrs = 2 credits

5.1.3 Tutorial

5.3.3.1 2 to 3 hrs = 1 credit

5.3.3.2 4 to 5 hrs = 2 credits

5.1.4 The credits for Industrial training, Project Report, Survey, Review Writing, Seminar, Field visits and other components are detailed in the respective Conceptual Frameworks and Schemes.

6. EVALUATION

6.1 The evaluation shall generally comprise of Continuous Internal Assessment (CIA) and Semester End Examination (SEE) with percentage weightage as specified below, unless specified otherwise in the Scheme of Instruction and Examinations.

<i>Theory Courses</i>		<i>Practical Courses</i>	
Continuous Internal Assessment (CIA)	Varies from 30 percent to 40 percent based on the nature of course.	Continuous Internal Assessment (CIA)	40%
Semester End Examination (SEE)	Varies from 70 percent to 60 percent based on the nature of course.	Semester End Examination (SEE)	60%

7. COMPLETION OF PROGRAMME AND ISSUE OF MARKSHEET AND DEGREE CERTIFICATE

7.1 The University shall publish the result after evaluation and with the recommendations of Result Passing Board at the end of each semester. The Semester mark sheets will be issued accordingly every semester based on the above.

7.2 Every candidate must meet the **minimum requirements** stipulated in the respective Scheme of Instruction and Examination and that stipulated by the University. The requirements of attendance and general Rules and Regulations passed by the various Statutory Bodies of the University must be met by the student. At the end of the Programme on approval/ratification of the results by the Academic Council, the candidate will be recommended to the Board of Management of the University for the Award of the degree on completion of all the courses and components of the curriculum.