



**Sarvodaya Kelavani Samaj Managed**  
**Shri Manibhai Virani & Smt. Navalben Virani Science College, Rajkot**  
**(Autonomous)**

**Affiliated to Saurashtra University, Rajkot**

Reaccredited at the “A” Level (CGPA 3.28) by NAAC

“STAR” College Scheme & Status by MST-DBT

A College with Potential for Excellence – CPE (Phase - II) by UGC

Accredited at the G-AAA Highest Grade ‘A-1’ Level by KCG, Govt. of Gujarat

UGC-DDU KAUSHAL Kendra

GPCB-Government of Gujarat approved Environmental Audit Centre

## **SCHEME OF LEARNING AND EVALUATION**

( based on the recommendations for 4 years UG program under the Curriculum and Credit Framework for Undergraduate Programs – guidelines / framework / regulations of UGC , Gujarat Government and affiliating Saurashtra University in light of NEP-2020)

**Of**

**Bachelor of Science (Honors/Honors with Research (FYUGP))**  
**– Biochemistry Programme**

**(W.e.f June 2023)**

**Shri Manibhai Virani and Smt. Navalben Virani Science College, Rajkot  
(Autonomous)  
Affiliated to Saurashtra University, Rajkot  
Department of Biochemistry**

**B.Sc. Biochemistry**

**B.Sc. / B.Sc. (Honours) BIOCHEMISTRY PROGRAMME**

**Regulations for Students Admitted from A.Y. 2023-2024 & Onwards**

**Eligibility:** Candidates for admission to the first semester of B.Sc. Biochemistry 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/ Governing Body of the Institute or other regulatory body as equivalent thereto from time to time, keeping the minimum requirements of UGC as the base requirement.

**Lateral Entry:** Candidate seeking admission directly in third semester of B.Sc. Biochemistry must have passed Examination of Diploma in Pharmacy or in any relevant specialization programmes from any recognized Technical Board/University approved by the Academic Council/ Governing Body of the Institute 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.

**DURATION OF THE PROGRAMME**

The Program

1. Shall extend over a period of three years comprising of six semesters for candidates taking admission in 1<sup>st</sup> semester
2. Shall extend over a period of two years comprising of four semesters for lateral entrants
3. Comprises of two semesters in one academic year wherein each semester normally will be of minimum 90 teaching days.

**CHOICE BASED CREDIT SYSTEM (CBCS)**

The CBCS provides an opportunity for the students to choose courses from the prescribed courses based on their interest. Mainly, each course is worth a certain number of credit points, determined by different criteria including learning outcome, contact hours etc.

The following mechanism is adopted for the purpose of computation of credits earned by the students:

- |                                      |            |
|--------------------------------------|------------|
| a) 1 hour instruction of Theory      | = 1 Credit |
| b) 2-3 hours instruction of Tutorial | = 1 Credit |

c) 2-3 hours instructions of Practical = 1 Credit

### **OUTCOME BASED EDUCATION (OBE)**

Outcome based education is based on revised Bloom Taxonomy and is a learner-centric teaching and learning methodology in which the course delivery and assessment are planned to achieve stated objectives and outcomes. It focuses on measuring students performance i.e. outcomes at different levels. OBE method of learning is adopted.

### **STRUCTURE OF THE PROGRAMME**

UG program shall have a curriculum comprising theory and practical (separate / in built with theory) courses with a specified syllabus. The curriculum of the program is a blend of Language Courses, Core Courses, Interdisciplinary Courses (IDC), Discipline Specific Electives (DSE), Transdisciplinary Electives (TDE) and Ability Enhancement Courses (AEC) shall be offered.

### **MEDIUM OF INSTRUCTION AND EXAMINATIONS**

The medium of instruction and examinations shall be English, except for courses on Languages other than English.

### **EVALUATION**

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 Learning and Evaluation.

<b>Components</b>	<b>Theory Courses</b>	<b>Practical Courses</b>
Continuous Internal Assessment (CIA)	Varies from 30 percent to 100 percent based on the nature of course.	Varies from 40 percent to 100 percent based on the nature of course.
Semester End Examination (SEE)	Varies from 70 percent to 40 percent based on the nature of course.	Varies from 40 percent to 60 percent based on the nature of course.

### **COMPLETION OF PROGRAM TO EARN THE DEGREE CERTIFICATE**

The institute shall publish the result after evaluation and with the recommendations of Result Passing Board at the end of each semester. On approval/ratification of the results by the Academic Council, the student will be recommended to parent university for the award of the degree provided that the student have earned all the credits towards mandatory course / components as mentioned in Scheme of Learning and Evaluation.

### **MINIMUM QUALIFICATION FOR APPOINTMENT OF FACULTY MEMBER**

As per norms of UGC and./or other related Regulatory body