

Parvatibai Chowgule College of Arts and Science
(Autonomous)

DEPARTMENT OF CHEMISTRY
COURSE STRUCTURE 2020 - 2021

THREE YEAR B.Sc. DEGREE COURSE IN CHEMISTRY

| SEMESTER | CORE COURSES | | ELECTIVE COURSES | | | | SKILL ENHANCEMENT COURSE |
|----------|---|--|--|--|--|--|--|
| I | CHE-I. C-1 General Physical and Inorganic Chemistry | CHE-I. C-2 General Organic and Inorganic Chemistry | --- | --- | --- | --- | --- |
| II | CHE-II. C-3 Concepts in Physical and Analytical Chemistry | CHE-II. C-4 Concepts in Organic and Inorganic Chemistry | --- | --- | --- | --- | --- |
| III | CHE-III. C-5 Comprehensive Chemistry –I (Physical & Inorganic Chemistry) | --- | CHE-III. E-1 Name Reactions and Synthetic Methodologies | CHE-III. E-2 Introduction to Industrial Chemistry | CHE-III. E-3 Surface Chemistry and Catalysis | CHE-III. E-4 Bioinorganic Chemistry | CHE.SEC-1 Skill Development in Chemistry |
| IV | CHE-IV. C-6 Comprehensive Chemistry –II (Organic and Analytical chemistry) | --- | CHE-IV. E-5 Pharmaceutical Chemistry | CHE-IV. E-6 Polymer and Colloid Science | CHE-IV. E-7 Spectroscopic Techniques | CHE-IV. E-8 Chemistry of Natural Products | CHE. SEC-2 Plating and corrosion |
| | | | | | | | CHE. SEC-3 Laboratory Techniques in Organic Chemistry |
| V | CHE-V. C-7 Advanced Chemistry – I (Physical & Inorganic Chemistry) | --- | CHE-V. E-9 Heterocyclic Chemistry | CHE-V. E-10 Nanomaterials and Solid State Chemistry | CHE-V. E-11 Organometallic Chemistry | --- | --- |
| VI | CHE-VI. C-8 Advanced Chemistry – II (Organic and Analytical chemistry) | --- | CHE-VI. E-13 Spectroscopic Methods in Organic Chemistry | CHE-VI. E-14 Environmental Chemistry | CHE-VI. E-15 Selected Topics in Inorganic Chemistry | --- | --- |