

**Kongunadu Arts and Science College (Autonomous)**

**Coimbatore 641029**

**Department of Chemistry (PG) Date of the meeting: 19.03.2022**

Sem.	Course code	Name of the Course	Changes made
I	22PCH101	C.P.1 – Organic Chemistry I	In unit III, Schiemann reaction is included.
I	22PCH102	C.P.2 – Inorganic Chemistry I	<p>As per the suggestions given by the subject experts, Unit I-‘Acid-base concepts’ is replaced by ‘Inorganic Polymers’ which is deleted from C.P. 8-Inorganic chemistry III.</p> <p>In unit III, the following topics are included.</p> <ul style="list-style-type: none"><li>• Relationship between molecular symmetry and crystallographic symmetry</li><li>• Crystal Growth methods: From melt and solution (hydrothermal, Gel methods).</li></ul>
I	22PCH103	C.P.3 – Physical Chemistry I	<p>In unit III, the following topics are included.</p> <ul style="list-style-type: none"><li>• Concept of molecular mass- Number average, weight average, Viscosity average</li><li>• Determination of Molecular mass - Osmometry- Light Scattering method – Ultracentrifugation, Viscometer</li></ul>
II	22PCH204	C.P.4- Organic Chemistry II	<p>The following topics are included in Unit I.</p> <ul style="list-style-type: none"><li>• Knovenagel Condensation</li></ul>

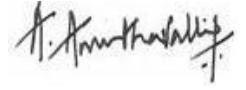
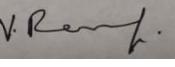
			<ul style="list-style-type: none"> <li>• Darzen's glycidic ester Condensation</li> <li>• Peterson alkene synthesis</li> </ul> <p>In Unit IV, Grothus-Draper law, Einstein's Law of photochemical equivalence are specified and Photo Fries rearrangement, oxa &amp; aza - di-<math>\pi</math> methane rearrangement are included.</p>
III	22PCH306	C.P.6– Physical Chemistry II	In Unit III, 'Approximate wave function of many electron atoms-Hartree self-consistent field theory' are included.
III	22PCH307	C.P.7– Organic Chemistry III	'Benzidine rearrangement, Sommelet-Hauser rearrangement' are included in Unit I. 'NaCNBH3, DIBAL-H, Sodium-alochol, stannous chloride (Stephen reaction)' are included in Unit II.
III	22PCH308	C.P.8–Inorganic Chemistry III	Unit IV-Bioinorganic chemistry is given as two units and Unit V-Inorganic polymers is brought to 22PCH102.
IV	22PCH4CP	C.Pr.5 - Organic Chemistry Practical- II	'Estimation of Ascorbic acid' is added.
I/II	22PCH1E1/2 2PCH2E2	ME – Green and Nano Chemistry	In unit V, Scanning Tunnelling Microscope is included.
III/IV	22PCH3N1/2 2PCH4N2	NME– Scientific Thesis Writing	In unit V, 'Working knowledge in software-Origin, Chemdraw' is included.

Other Academic Activities:

- A new Non-Major Elective Course – Information Security is introduced in the even semester, which is a compulsory course.
- Ratification: From the academic year 2022-23, the pattern of examinations will be CIA 50 marks and ESE 50 marks. The same pattern will be implemented for the students admitted during the year 2021-22 also.

The board approved the above two items.

Signature of the Board Members

S.No.	Name	Designation	Signature
1.	Dr. K. Kalpanadevi	Member	
2.	Dr. A. Amuthavalli	Member	
3.	Dr. A. Pushpavani	Member	
4.	Dr. V. Ramya	Member	
5.	Dr. G. Vadivelan	Member	