

SadakathullahAppa College

(Autonomous)

(Reaccredited by NAAC at an 'A' Grade. An ISO 9001:2015 Certified Institution)

Rahmath Nagar, Tirunelveli- 11.

Tamil Nadu.

DEPARTMENT OF CHEMISTRY



Draft CBCS SYLLABUS

For

B.Sc. CHEMISTRY

(Applicable for students admitted in June 2021 and onwards)

**(Submitted after the Chemistry BOS Meeting
held on 15-03-2021)**

Total Number of Courses offered (2021-2024) including electives**B.Sc. CHEMISTRY**

S. No.	Semester	Course Title
1	I	INORGANIC CHEMISTRY – I
2	I	METHODOLOGY OF PRACTICALS
3	I	INORGANIC QUANTITATIVE ANALYSIS – I
4	I	BIOCHEMISTRY - I
5	I	ANALYSIS OF CARBOHYDRATES AND FATTY ACIDS
6	II	ORGANIC CHEMISTRY – I
7	II	PHYSICAL CHEMISTRY-I
8	II	PREPARATION OF ORGANIC COMPOUNDS AND PHYSICAL CONSTANTS
9	II	BIOCHEMISTRY – II
10	II	ANALYSIS OF AMINO ACIDS AND PROTEINS
11	III	INORGANIC CHEMISTRY – II
12	III	INORGANIC QUANTITATIVE ANALYSIS AND PREPARATION OF INORGANIC COMPLEXES
13	III	ALLIED CHEMISTRY – I
14	III	VOLUMETRIC ANALYSIS
15	III	APPLIED CHEMISTRY – I
16	IV	ORGANIC CHEMISTRY – II
17	IV	INDUSTRIAL CHEMICAL ANALYSIS
18	IV	ALLIED CHEMISTRY – II
19	IV	CHEMICAL ANALYSIS

20	IV	INDUSTRIAL CHEMICAL PROCESSES
21	IV	APPLIED CHEMISTRY-II
22	IV	Field work/Internship
23	V	PHYSICAL CHEMISTRY-II
24	V	INORGANIC CHEMISTRY-III
25	V	SPECTROSCOPY
26	V	PHYSICAL CHEMISTRY PRACTICAL
27	V	GRAVIMETRIC ANALYSIS AND INORGANIC MIXTURE ANALYSIS
28	V	A - POLYMER CHEMISTRY
29	V	B - CHEMISTRY OF MATERIALS
30	V	C – FOOD CHEMISTRY
31	V	A - INSTRUMENTAL METHODS OF ANALYSIS
32	V	B - MEDICINAL CHEMISTRY
33	V	C – COMPUTERS IN CHEMISTRY WITH C++
34	VI	COORDINATION CHEMISTRY
35	VI	PHYSICAL CHEMISTRY – III
36	VI	ORGANIC CHEMISTRY – III
37	VI	ORGANIC ANALYSIS AND PREPARATION OF ORGANIC COMPOUNDS
38	VI	CHROMATOGRAPHY TECHNIQUES AND GREEN SYNTHESIS
39	VI	A - EMERGING TRENDS IN CHEMISTRY
40	VI	B - DAIRY CHEMISTRY
41	VI	C – ENVIRONMENTAL CHEMISTRY

42	VI	Project
43	VI	CHROMATOGRAPHY