



SRI VIDYA MANDIR ARTS & SCIENCE COLLEGE

(Autonomous)

(An Autonomous College Affiliated to Periyar University, Salem)

(Accredited by NAAC with 'A' Grade [3.27])

(Recognised 2(f) & 12(B) under UGC Act of 1956)

Vignesh Nagar, Katteri – 636 902, H. Eachampadi (Via),

Uthangarai (Tk), Krishnagiri (Dt), Tamil Nadu

Minutes of the First PG (M.Sc. Chemistry) Board of Studies Meeting in **Chemistry of the Sri Vidya Mandir Arts & Science College (Autonomous)**

Date: 20.08.2020 (Thursday) Time: 06.00 P.M. Mode: Online (Zoom App)

The first PG (M.Sc. Chemistry) Board of Studies Meeting of the PG & Research Department of Chemistry of the Sri Vidya Mandir Arts & Science College (Autonomous) was conducted as per the guidelines of the University Grants Commission (UGC) on 20.08.2020 at 06.00 pm through Online (Zoom App) platform. The following Members were present in the meeting.

Members Present

1. Dr. R. Dayanandhan

Chairman

Assistant Professor

PG & Research Department of Chemistry

Sri Vidya Mandir Arts & Science College (Autonomous)

Katteri – 636 902, Uthangarai

Krishnagiri District, Tamil Nadu

2. Dr. V. Raj

University Nominee

Professor & Head, Department of Chemistry

Periyar University, Salem – 636 011

Tamil Nadu

3. Dr. S. Raja Mohammed Kamil

**(Subject Expert from Outside
the Parent University)**

Associate Professor & Head

PG & Research Department of Chemistry

Islamiah College (Autonomous)

Newtown, Vaniyambadi – 635 752

Vellore District, Tamil Nadu

4. **Dr. Mallika Jaganathan** (Subject Expert from Outside the Parent University)
Associate Professor
Department of Chemistry
PSG College of Arts & Science (Autonomous)
Coimbatore – 641 014, Tamil Nadu
5. **Dr. K. Kumaran** (Industrial Representative)
Biocon Park
Plot No. 2 & 3, Bommasandra IV Phase
Bangalore – 560 099, Karnataka
6. **Mr. M. Sakthivel** (Postgraduate Meritorious Alumnus)
Anthem Biosciences Pvt. Ltd.
No. 276-P & 277-P, Sy No. 20, Phase II
Kanakapura Taluk, Ramanagara District
Ramnagar – 562 112, Karnataka
7. **Mr. K.V. Karthikeyan** (Member)
Assistant Professor
PG & Research Department of Chemistry
Sri Vidya Mandir Arts & Science College (Autonomous)
Katteri – 636 902, Uthangarai,
Krishnagiri District, Tamil Nadu
8. **Mr. N. Chandrasekaran** (Member)
Assistant Professor
PG & Research Department of Chemistry
Sri Vidya Mandir Arts & Science College (Autonomous)
Katteri – 636 902, Uthangarai,
Krishnagiri District, Tamil Nadu
9. **Mr. C. Thirumurugan** (Member)
Assistant Professor
PG & Research Department of Chemistry
Sri Vidya Mandir Arts & Science College (Autonomous)
Katteri – 636 902, Uthangarai,
Krishnagiri District, Tamil Nadu

10. Dr. C. Govindaraj

(Member)

Assistant Professor

PG & Research Department of Chemistry

Sri Vidya Mandir Arts & Science College (Autonomous)

Katteri – 636 902, Uthangarai,

Krishnagiri District, Tamil Nadu

Dr. R. Dayanandhan, Chairman of the Board of Studies Meeting welcomed the Members and in his introducing speech, he explained the details of Agenda and the academic matters to be discussed. The Agenda of the Meeting was taken up for discussion. The following points were discussed during the Meeting. The resolutions made in the Meeting are given below:

AGENDA

- 1. Formulation and finalization of syllabi for the M.Sc. Chemistry Programme for the academic year 2020-2021 and thereafter.**
- 2. To prepare the scheme of examinations and question paper pattern.**

RESOLUTIONS

- The Committee appreciated the formulation of syllabi for M.Sc. Chemistry Programme on Outcome Based Education (OBE) to meet out the criteria of the Educational Empowerment and Social Relevance.
- The Committee also appreciated the framing of syllabi including UGC, TANSCH, CSIR, SET, JEST and GATE Syllabi.

The Committee suggested the following corrections/modifications in the submitted syllabi:

1. Structure of the Programme must be include in table format with Paper Codes, Paper Titles, Lecture Hours, Practical Hours, Tutorial Hours, Credits, Marks, and Exam Hours for all the Papers.

2. Elective Courses, Supportive Courses or Non-Major Elective Courses to be offered to other Department students should also be included (Swayam Courses should be included (20%)).
3. In Inorganic Chemistry Paper I
Unit III to be placed as Unit I
Unit IV to be placed as Unit II and titled as HSAB Concept and Inorganic Polymers
Unit II to be placed as Unit III
Unit V to be placed as Unit IV
Unit I to be placed as Unit V
4. Reference and Text Books must be included with Publisher, Edition, Volume and Year of Publication and latest book publications may be included. Link for e-book may also be given.
5. In Elective Polymer Chemistry Paper
Unit II – Synthesis of Polymers: All the methods of synthesis except electrochemical synthesis to be included.... this is in elective paper ii conducting polymers.
Unit II to be placed as Unit IV
Unit V – The title may be Commercial Polymers (**Properties of** to be removed)
6. Core II – Inorganic Chemistry I – Semester I – Unit IV – Structure and Bonding –
The portion “Hard and Soft acids and bases-classifications, Acid-Base strength, hardness, symbiosis, theoretical basis of hardness and Softness, Applications of HSAB” can be replaced with “Polyacids: Isopolyacids and heteropolyacids of Vanadium, chromium, Molybdenum and Tungsten- Properties and structure.”

The replaced “Hard and Soft acids...” shall be clubbed with the stability constants portions in the following semester.

Core V – Inorganic Chemistry II – Semester II


Unit IV – Add “Complementary and non-complementary electron transfer reactions” which is the integral part of this syllabus.

In the above unit make it “precursor and successor complexes” instead of “precursor complexes”

Unit V – It is better to add “the applications of trans effect” which is a very important part of this Chapter.

7. Uniformity must be followed in giving titles (Title Case or All Caps)
8. The Committee discussed about the Question Paper Structure of the theory examination and Unanimously Recommended to follow the following Question Paper Pattern.
 - ❖ Maximum marks for theory examination will be 100 marks, out of which 75 marks will be allotted for end of semester examinations (ESE) and 25 marks will be distributed for internal examinations (CIA).
 - ❖ Part A in ESE will be conducted in the form of Objective Type Questions for 15 marks($15 \times 1 = 15$ Marks).
 - ❖ For Part B, it is suggested to conduct the examination with 5 questions (each unit should contain one question). Out of the 5 questions, 3 questions to be answered ($3 \times 5 = 15$ Marks).
 - ❖ 5 questions in either or pattern (each unit should contain one either or type question) were suggested to ask in Part C ($5 \times 9 = 45$ Marks).
 - ❖ Total duration of the exam will be 3 hours.
9. Internal Assessment (CIA) for 25 marks is suggested to be followed in the following manner
 - a. Written examination (CIA Test) for 10 marks
 - b. Assignment for 5 marks
 - c. Seminar for 5 marks
 - d. Student discipline for 5 marks

The Committee Unanimously Recommended to finalize the syllabi for M.Sc. Chemistry Programme after overviewed the corrected/modified syllabi.

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6. M. Sakthivel 

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