

**Devrukh Shikshan Prasarak Mandal's
Nya. Tatyasaheb Athalye Arts, Ved. S.R. Sapre Commerce and
Vid. Dadasaheb Pitre Science College
(Autonomous)**

Devrukh, Dist: Ratnagiri- 415 804, Maharashtra

The meeting of the Board of Studies in Chemistry was held on Tuesday, 5th March 2024 at 06.00 pm through online mode using the Google Meet platform. The agenda of the meeting is as below:

Agenda

1. Approval for the minutes of the last meeting held on Thursday, 25th May 2023
2. Finalization of credit pattern for levels 5.0 and 6.5 as per NEP-2020
3. To prepare and finalize syllabi for Major, Minor, GE/OE, SEC, VSC
4. Any other topics with the permission of the chair

The following members were present for the meeting.

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| 1. Dr. S. T. Sankpal | (Chairman, BoS) |
| 2. Dr. Kalpana Patankar-Jain | (VC Nominee: Member BoS) |
| 3. Dr. A. P. Chavan | (Subject Expert: Other University) |
| 4. Dr. S. N. Zende | (Subject Expert: Other Institution) |
| 5. Mr. Prabhakar Parab | (Industry Expert) |
| 6. Dr. Mahesh Burshe | (Industry Expert) |
| 7. Dr. Meera R. Kale | (Other member of staff of the same faculty) |
| 8. Dr. A. S. Varale | (Member of the BoS) |
| 9. Dr. H. V. Chavan | (Member of the BoS) |
| 10. Mr. A. V. Devale | (Member of the BoS) |
| 11. Miss. P. S. Shinde | (Member of the BoS) |
| 12. Miss. H. S. Agare | (Member of the BoS) |
| 13. Mr. S. S. Daphale | (Member of the BoS) |

Minutes of the Meeting:

Agenda 1: Approval for the minutes of the last meeting held on Thursday, 25th May 2023

At the commencement of the meeting, Dr. Sagar Sankpal, Chairman of the BoS welcomed all the esteemed members of the BoS and Congratulated Dr, Kalpana Jain Madam for appointing as Principal of Royal College, Miraroad and further commenced the meeting with a thorough overview of the agenda. He took a review of the minutes of the previous BoS meeting held on 25th May 2023 and appealed to all the members of BoS to approve the minutes.

Resolution No 1: It is unanimously resolved that the minutes of the last meeting of the Board of Studies held on 25th May 2023 are approved.

Proposed by: Dr. S. T. Sankpal

Seconded by: Dr. Kalpana Patankar-Jain

Agenda 2: Finalization of credit pattern for levels 5.0 and 6.5 as per NEP-2020

Dr. S. T. Sankpal overviewed the credit pattern proposed as per the New Education Policy – 2020 (NEP-2020) and as per the revised guidelines of Government of Maharashtra (as per R.D. Kulkarni Report). The credits are allotted as per the six verticals (Major, Minor, OE, VSC, SEC, AEC and CC). The proposed credit pattern for UG is given in Annexure-I. After thorough discussion on the revised credit pattern, Dr. Patankar-Jain Madam, Parab Sir, Dr. Sunil Zende Sir expressed satisfaction about credit pattern. The course codes and course titles of UG courses and PG courses are accepted after minor changes. The course codes and course titles of UG courses given in Annexure-II and of PG courses are given in Annexure-III.

Resolution No. 2:

It is unanimously resolved that the proposed credit pattern as per the NEP-2020, course codes and course titles are accepted and approved.

Proposed by: Dr. S. T. Sankpal

Seconded by: Dr. Sunil Zende

Agenda 3: To prepare and finalize syllabi for Major, Minor, GE/OE, SEC, and VSC

Dr. Sankpal outlined the syllabus proposes of major and minor courses for level 5.0 and 6.5 Further Dr. Sankpal invited Shubham Daphale to give an outline of the draft syllabi prepared for the 'Food Safety and Hygiene' (GE). Shubham Daphale overviewed the syllabus of 'Food Safety and Hygiene' and appealed to all esteemed members of BoS for their

suggestions on the syllabus proposed. Mr. Prabhakar Parab and Dr. Jain Madam expressed satisfaction about the syllabus designed.

Dr. Sankpal invited Dr. Amit Varale to give an outline of the draft syllabi prepared for the Solid Waste Management (GE). Dr. Varale welcomed all members and overviewed the syllabus of Solid Waste Management and appealed to all esteemed members of BoS for their suggestions on the syllabus proposed. Mr. Prabhakar Parab told the framed syllabus is requirement of today's life and he mentioned the syllabus framed is good. Dr. Jain Madam said syllabus framed is fine. Dr. Zende Sir also said syllabus is good.

Dr. Sankpal invited Dr. Hemant Chavan to give an outline of the draft syllabi prepared for Medicines in everyday life (GE). Dr. Chavan welcomed all members and overviewed the syllabus of Medicines in everyday life and appealed to all esteemed members of BoS for their suggestions on the syllabus proposed. Dr. Patankar Madam suggested to dilute some contents from module second. Dr. Chavan agreed and said we will incorporate the suggested changes in revised syllabus.

Dr. Sankpal given outline of the draft syllabi prepared for Environmental Pollution Management (GE). Dr. Sankpal welcomed all members and overviewed the syllabus of Environmental Pollution Management and appealed to all esteemed members of BoS for their suggestions on the syllabus proposed. Dr. Jain Madam, Parab Sir, Dr. Zende Sir said syllabus framed is fine.

Dr. Chavan overviewed the syllabus of SEC-Laboratory skills in Analytical Chemistry and appealed to all esteemed members of BoS for their suggestions on the syllabus proposed. Dr. Jain madam suggested to add practicals related to primary standard and remove points related to % error. Dr. Zende expressed his satisfaction on syllabus framed for Laboratory skills in Analytical Chemistry course.

Dr. Chavan overviewed the syllabus of VSC-Good Laboratory Practices and appealed to all esteemed members of BoS for their suggestions on the syllabus proposed. Dr. Parab, an industry representative said the syllabus framed is industry oriented and is very useful.

Resolution No 3:

It is unanimously resolved that the proposed draft syllabi of major, minor, GE, SEC and VSC designed as per the NEP-2020 guidelines are accepted and approved.

Proposed by: Dr. S. T. Sankpal

Seconded by: Dr. Abhijit Chavan

Resolution No 4 :

Dr. Sankpal invited Hemangi Agare to give an outline of the draft syllabi prepared for the 'M.Sc. Organic Chemistry'. Hemangi Agare overviewed the syllabus of 'M.Sc. Organic Chemistry' and appealed to all esteemed members of BoS for their suggestions on the syllabus proposed. Dr. Chavan Sir advised to frame the syllabus as per Net, Set examinations. He expressed satisfaction about the syllabus designed.

Dr. Sankpal invited Padnya Shinde to give an outline of the draft syllabi prepared for the M.Sc. (Analytical Chemistry). Padnya Shinde welcomed all members and overviewed the syllabus of M.Sc. (Analytical Chemistry) and appealed to all esteemed members of BoS for their suggestions on the syllabus proposed. Dr. Zende Sir said syllabus is good.

At the end, Dr. Hemant Chavan thanked all the members of BoS for attending the meeting and giving valuable inputs for syllabus framing as per NEP-2020.

Dr. S. T. Sankpal

Chairman, BoS in Chemistry

As per the NEP the credit structure for the S.Y.B.Sc. Programme is as below

Board of Studies Meeting date-

| Semester | Major Courses | Minor Courses | Vocational Skill Courses | Skill Enhancement Courses | General Elective Courses | Ability Enhancement Courses | Co-curricular Courses | Total Credit |
|------------|---|--------------------------------------|--------------------------|---------------------------|--------------------------|-----------------------------|-------------------------|--------------|
| III | Chemistry I -02 Chemistry II -02 Chemistry Practical I-02 Chemistry Practical II -02 | Physics I-02 Physics Practical-02 | VSC II-02 (Major) | SEC II-02 | GE III -02 | AEC III (Eng)-02 | CC-02 (NSS/NCC/DLLE) | 22 |
| IV | Chemistry I -02 Chemistry II -02 Chemistry Practical I-02 Chemistry Practical II -02 | Physics I-02 Physics Practical-02 | ---- | SEC -IV-02 | GE IV -02 GE V -02 | AEC III (MIL)-02 | CC-02 (NSS/NCC/DLLE) | 22 |

The syllabus of Major Courses, Skill Enhancement courses, Vocational Skill Courses and general Elective will be revised for the academic Year-2024-25

As per the NEP the credit structure for the MSc. Part II Organic Chemistry Programme is as below

Board of Studies Meeting date-

| Semester | Major Courses theory | Major Courses Practical | Elective Courses Theory | Elective Courses Practical | Research Project | Internship | Field Project | Total Credit |
|------------|--|---|---|--|---------------------|------------|---------------|--------------|
| III | Theoretical Organic Chemistry I-04 Synthetic Organic Chemistry I-04 Natural products and Spectroscopy I-04 | Ternary Mixture Analysis-02 | Medicinal and Green chemistry-02 OR Bioorganic Chemistry-02 | Single Step Preparations I-02 OR Single Step Preparations I-02 | Research Project-04 | - | - | 22 |
| IV | Theoretical Organic Chemistry II-04 Synthetic Organic Chemistry II-04 Natural products and Heterocyclic chemistry I-04 | Two Step Preparations and Combined Spectral Analysis-02 | Medicinal and Biogenesis-02 OR Bioorganic Chemistry-02 | - | Research Project-06 | - | - | 22 |

The syllabus of Major Courses and General Elective will be revised for the academic Year-2024-25

As per the NEP the credit structure for the MSc. Part II Analytical Chemistry Programme is as below

Board of Studies Meeting date-

| Semester | Major Courses theory | Major Courses Practical | Elective Courses Theory | Elective Courses Practical | Research Project | Internship | Field Project | Total Credit |
|------------|--|------------------------------------|--|--|---------------------|------------|---------------|--------------|
| III | Quality in Analytical Chemistry I-04 Advance Instrumental Techniques I-04 Bioanalytical Chemistry and Food Analysis-04 | Analytical Chemistry Practical -02 | Environmental Chemistry-02 OR Industrially Important Materials -02 | Analytical Chemistry Practical I -02 OR Analytical Chemistry Practical II-02 | Research Project-04 | - | - | 22 |
| IV | Quality in Analytical Chemistry II-04 Advance Instrumental Techniques II-04 Selected Topics in Analytical Chemistry-04 | Analytical Chemistry Practical -02 | Pharmaceutical Analysis-02 OR Forensic and Cosmetic Analysis-02 | - | Research Project-06 | - | - | 22 |

The syllabus of Major Courses and General Elective will be revised for the academic Year-2024-25