

Department of Chemistry

26th Board of Studies Meeting October 2020

A meeting of the Board of Studies is convened for the B.Sc Chemistry Programme (Semesters I and II) offered by the department of Chemistry on 17.10.2020 at 9.30 am Online (Google Meet) with the following members.

Members :

1. Dr (Mrs) M. Malarni : Chairman & Head of the Department
2. Dr (Mrs) S. Umadevi : Member
3. Mrs. R. Chitradevi : Member
4. Mrs. V. Anitha : Member
5. Dr (Mrs) J. Bhuvaneshwari : Member
6. Dr (Mrs) M. Indrani : Member
7. Dr (Mrs) E. Veishvani : Member
8. Dr. N. Jayakumar : University Nominee
9. Dr. Subramanian Chitra : Subject Expert
10. Dr. J. Poiny Merlin : Subject Expert
11. Mrs. K. Pooleepa : Industrial Expert
12. Dr (Mrs). S. Chandra : Alumna.

Agenda of the Meeting

- (i) To finalise and approve the curricular framework and design for the B.Sc Chemistry Programme for I and II Semesters under OBE for the students admitted during the academic year 2020-2021 along with the pattern of assessment for CIA and ESE.

The following were the members present for the meeting

1. Dr. M. Malanighi - Chairman
M. Malanighi
Attended Online
2. Dr. N. Jeyakumar - University Nominee
Principal and Head
Department of Chemistry
Sri Vasani College of Arts & Science
Erode.
3. Dr. Subramanian Chitra
Head and Associate Professor in Chemistry
PSR Krishnammal college for women
Coimbatore. Attended Online
4. Dr. J. Princy Meelin
Head and Associate professor in Chemistry
Bishop Heber College
Trichy. Attended Online

Subject Experts

5. Dr. S. Umadevi
S. Umadevi
6. Mrs. R. Chitra Devi
R. Chitra Devi
7. Mrs. V. Anitha
V. Anitha
8. Dr. J. Bhuvaneshwari
J. Bhuvaneshwari
9. Dr. M. Lakshmi
M. Lakshmi
10. Dr. E. Varshini
E. Varshini
11. Mrs. C. Pradheepa
Chemist, BIS, Chennai
(Industrial Expert)
- Dr. S. Chandra
Assistant professor in Chemistry
PSA College of Arts and Science
Coimbatore
(Alumna)

The following were the suggestions and recommendations made by the Board and the resolutions approved.

The revised curriculum structure for Semesters I and II for B.Sc Chemistry 2020-2021

Semester - I Part - III Core I General Chemistry (120C01)

In Unit - I, the topic GHS hazard symbol and their definitions can be included and contents of inorganic qualitative analysis portion has been revised.

In Unit - II, the topics Effective nuclear charge and Slater rules can be included under the heading atomic structure.

In Unit V, the topic synthetic importance of methyl magnesium iodide may be included.

Semester - I / III Part - III Allied I / III Chemistry I (120AP1 / 320AM4) for B.Sc Physics and Mathematics

In Unit IV "Co-ordination Chemistry" has been replaced with "Separation techniques."

Semester I Part III Allied I Chemistry I - (120AP1 / 320AM4) for B.Sc Zoology.

Unit - I "Nuclear Chemistry" has been replaced with "Separation techniques".

Semester - II Part - III Core II General Chemistry II (220C02)

In Unit II, the topic Green Chemistry may be excluded and the contents under the topic cyclo alkanes can be introduced.

Semesters I and II Part III Core Practical I Qualitative Inorganic Analysis (220CP1)

Title of the course has been renamed as Qualitative Inorganic Analysis.

Semester - II / IV Part III Allied II / IV Chemistry II (220AP2 / 420AM6) for B.Sc Physics and Mathematics

In Unit II, the topic corrosion - definition, types and its prevention can be included.

Semester - II Part III Allied II Chemistry II (220AZ2) for B.Sc Zoology

In Unit IV, contents under the Heterocyclic compounds may be included.

Semester-I and II / III and IV Part-III Allied Chemistry Practical (220APP/220AZPI/420AMP) for B.Sc Physics, Zoology and Mathematics

The following has been introduced as demonstration experiments

Conductometric titration for strong acid vs strong base
Usage of pH meter and colorimeter
Development of spots in thin layer chromatographic plates.

Resolutions

1. Resolved that the Curriculum framework and design of course content be approved for the courses of Semesters I and II for the students admitted from academic year 2020-2021 onwards under OBE pattern.
2. Resolved that the revision in the courses of Semester-I, Case I: General Chemistry I (120CO1), Allied I/III Chemistry I (20API/320AM4) for B.Sc Physics and Mathematics and Allied I Chemistry I (120AZ1) for B.Sc Zoology be approved for the students admitted from academic year 2020-2021.
3. Resolved that the revision in the courses of Semester-II, Case II General Chemistry II (220CO2), Allied II/IV Chemistry I (220AP2/420AMB) for B.Sc Physics and Mathematics, Allied I Chemistry II (220AZ2) for B.Sc Zoology and Allied Chemistry Practical (220APP/420AMP) be approved for the students admitted from academic year 2020-2021.

4. It has been sought to approve the change in nomenclature of the laboratory practical course as Core Practical I Inorganic Qualitative Analysis (220CP1) in Semesters I and II for the students admitted from academic year 2020-2021.

M. Malanje

S. Umad

R. D. D. D.

V. J. J. J.

G. J. J. J.

M. J. J. J.

~~W. J. J. J.~~

S. Kalaiselvan