

Dr. N.G.P. ARTS AND SCIENCE COLLEGE

(An Autonomous Institution, Affiliated to Bharathiar University, Coimbatore)

Approved by Government of Tamil Nadu & Accredited by NAAC with 'A' Grade (2nd Cycle)

Dr. N.G.P.-Kalapatti Road, Coimbatore-641 048, Tamil Nadu, India.

Website: www.drngpasc.ac.in | Email: info@drngpasc.ac.in | Phone: +91-422-2369100

BoS

9th

MINUTES OF THE NINTH BOARD OF STUDIES MEETING

Faculty: Basic and Applied Science

Board: Chemistry

The Meeting of Board of Studies (BoS) was held as given below:

Name of the Body	BoS
Department	Chemistry
Meeting No.	9
Date and Time	14.05.2021, 11.00 a.m.
Venue	Google Meet, code: jzd-jcrs-dgs
Members Attended	The details are given in the ANNEXURE –I

AGENDA

1	Discussion on syllabus for fifth semester of B.Sc. Chemistry Batch: 2019 – 20
2	Discussion on Industry linked Job Oriented Certificate Programme Paint and Coating Technology
3	No change in the content of the syllabus of B.Sc. Chemistry I and III Semester
4	No change in the content of the syllabus of M.Sc. Chemistry I and III Semester
5	Any other matters





MINUTES OF THE NINTH BOARD OF STUDIES MEETING

Faculty: Basic and Applied Science

Board: Chemistry

The Chairman of BoS welcomed all the Panel members for the meeting. The items listed in the agenda were taken for discussion.

The following are the minutes of the meeting:

Item – 01	Discussion on syllabus for fifth semester of B.Sc. Chemistry Batch: 2019 – 20
Discussion	<p>The content of the course of fifth semester of B.Sc. Chemistry Batch: 2019 - 20 were discussed in the board.</p> <p>192CE1A5CA - Inorganic Chemistry - II 192CE1A5CB - Organic Chemistry - I 192CE1A5CC - Physical Chemistry - I 192CE1A5CP - Physical chemistry practical 192CE1A5SA - Spectroscopy and Chromatography 192CE1A5DA - Industrial Chemistry 192CE1A5DB - Agricultural Chemistry 192CE1A5DC - Pharmaceutical Chemistry 212CE5A - Paint and Coating technology</p> <p>192CE1A5CA - Inorganic Chemistry - II</p> <ul style="list-style-type: none">As per the suggestions from the BoS members the topics and the content has been modified accordingly.Unit II: Experts asked to change first line into General characteristics, comparison of oxidizing action. Asked to remove Classification of halide, basic properties of halogens- positive iodine and suggested to add preparation, properties and uses of iodine – analysis of iodine.Unit III: Experts Suggested to change the title into Metal carbonyl Compounds from Organometallic Compounds. Asked to start the unit as classification- general methods of preparationUnit IV: Experts asked to remove Organic semiconductors and modified to applications of semiconductorsUnit V: Experts suggested to add advance topic such as Detection and measurement of radioactivity – Wilson cloud chamber, Geiger – Muller counter by removing the topics like application of isotopes in chemistry, agriculture and medicine - carbon dating - nuclear isomerism.

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192CE1A5CB - Organic Chemistry – I

- As per the suggestions from the BoS members the topics and the content has been modified accordingly.
- Unit II: has been introduced namely reagents in organic synthesis
- Unit III: Unit 2 (Specific name reactions and mechanism) has been merged with unit 3 (Molecular Rearrangements with mechanism) and title of the unit 3 has been changed into reactions and rearrangements.
- Unit IV: the content has been reduced as per BoS expert's suggestions. The following title has been removed from unit 4- "Physical and chemical properties of amino acids. N-terminal and C-terminal amino acid residues. General properties of proteins. Industrial importance of proteins".
- Unit V: Modified the Introduction- preparation – physical and chemical properties into preparation –properties

192CE1A5CC - Physical Chemistry – I

- The entire content of the course has been framed as per UGC curriculum for the academic year 2021-22 for the students admitted in the year 2019-22. The course contents were submitted to the board and the corrections were carried out according to the suggestions given by them.

192CE1A5CP - Physical chemistry practical

- No changes have been given by experts.

192CE1A5SA - Chromatography and Spectroscopy

- Unit I: Experts suggested to add principle and content has been reduced.
- Unit II: Principle has been added and some specific examples were added.
- Unit III: Principle has been added and irrelevant example was removed.
- Unit IV: Experts suggested removing theory and Retro-Diels Alder reaction. Principle and small molecules were added.

192CE1A5DA - Industrial chemistry

- Unit I: definition of Waste water and some of industrial treatment processes have been reduced. The content also has reduced.
- Unit II: Comparison part of Aliphatic hydrocarbons have been modified.

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	<p>Some of uses of specific hydrocarbons have been included. The conventional preparation methods for the spirit and recent technology process have included.</p> <ul style="list-style-type: none">Unit III: Definition of oils and Soaps have been removed. Cleansing action of soaps and detergents been removed and also inserted importance of detergents over than soaps.Unit IV: Introduction about Abrasives and ceramics manufacturing process have been reduced.Unit V: Inserted the examples for catalyst cracking and its importance and overall content have been reduced. <p>192CE1A5DB - Agricultural chemistry</p> <ul style="list-style-type: none">Unit I: Experts asked to add soil formation.Unit II: Experts suggested the topics up to hydrogen ion concertation.Unit III: Experts suggested to reduce the content up to soil testing and water samples.Unit V: Experts suggested to add the topics Pesticides, Fungicides and asked to remove Herbicides. <p>192CE1A5DB - Pharmaceutical chemistry</p> <ul style="list-style-type: none">Unit I: Experts asked to change the title of the unitUnit II: Experts suggested including antiviral drugs.Unit V: Experts suggested changing the whole content of the unit.
Resolution	The board resolved to approve syllabus for fifth Semester of B. Sc. Chemistry Batch: 2019-20.
Item – 02	Discussion on Industry linked Job Oriented Certificate Programme
Discussion	The board discussed the Syllabus for Industry linked job oriented certificate programme, 212CE5A / Paint and Coating Technology (Epic coating Academy Coimbatore.)
Resolution	The board unanimously approved the syllabus for Paint and Coating Technology 2021 – 22 onwards.

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Item – 03	Discussion on B.Sc. Chemistry I and III Semester were done
Discussion	The board discussed the content of the syllabus of B.Sc. Chemistry I and III Semester. No change is prescribed.
Resolution	The board resolved to approve syllabus for I and III Semester of B. Sc. Chemistry Batch: 2020-21 and 2021-22
Item – 04	Discussion on M.Sc. Chemistry I and III Semester were done
Discussion	The board discussed the content of the syllabus of M.Sc. Chemistry I and III Semester. No change is prescribed.
Resolution	The board resolved to approve syllabus for I and III Semester of M. Sc. Chemistry Batch: 2020-21 and 2021-22
Item – 05	Any other matters
Discussion	<ul style="list-style-type: none"> Alumni member Mr. Ashokmithran has suggested some comments on syllabus. Suggestions represented by the student feedback also have been made. The Board of studies in Department of Chemistry recommends the committee of panel of experts for examination purpose.
Resolution	The suggestions were approved by the board.

The chairman of Board of Studies (BoS) thanks all the members for their active participation and cordially invites them for the next meeting.

Date: 14/05/2021


 (Dr. M. Suganthi)

BoS Chairman/HoD
Department of Chemistry
Dr. N. G. P. Arts and Science College
Coimbatore – 641 048



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ATTENDANCE OF THE NINTH BOARD OF STUDIES MEETING

Faculty: Basic and Applied Sciences

Board: Chemistry

Venue : Google meet

Date : 14/05/2021

The following members were present for the board of studies meeting.

S. No	Name	Designation	Signature*
1.	Dr. M. SUGANTHI Assistant Professor & Head Department of Chemistry, Dr. N.G.P Arts & Science College, Coimbatore-48.	Chairman	PRESENT
2.	Dr. A. MUTHUSAMY Associate Professor, Department of Chemistry, SRMV College of Arts and Science, Coimbatore-20	VC Nominee	PRESENT
3.	Prof. R. RAMARAJ CSIR Emeritus Scientist, School of Chemistry, Madurai Kamaraj University, Madurai-625021	Subject Expert	ABSENT
4.	Prof. S. NAGARAJAN Head of the Department, Department of Chemistry, Central University of Tamil Nadu, Thiruvavur – 610 005	Subject Expert	PRESENT
5.	Dr. T. SASIKALA Associate Professor & Head Department of Chemistry Sri Ramakrishna College of Arts and Science Coimbatore - 641006.	Subject Expert	ABSENT
6.	Mr. R. RAMASAMY Francis Wacziarg Pvt Ltd, B-58, Sector-57, Noida-201301.	Industry Expert	ABSENT
7.	Mr. R. ASHOKMITHRAN Papankadu Thottam Nalligoundanpalayam Pudhur Tirupur – 641 654	Alumini	PRESENT
8.	Dr. R. RAVIKUMAR Assistant Professor, Department of Chemistry, Dr. N.G.P Arts & Science College, Coimbatore-48.	Internal Member	PRESENT

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9.	Dr. K. SAKTHIVEL Assistant Professor, Department of Chemistry, Dr. N.G.P Arts & Science College, Coimbatore-48.	Internal Member	PRESENT
10.	Mr. M. DINESHKUMAR Assistant Professor, Department of Chemistry, Dr. N.G.P Arts & Science College, Coimbatore-48.	Internal Member	PRESENT
11.	Dr. N. KUPPUCHAMY Professor and Head, Department of Tamil, Dr. N.G.P Arts & Science College, Coimbatore-48.	Co-opted member	ABSENT
12.	Dr. R. VITHYA PRABHA Professor and Head, Department of English, Dr. N.G.P Arts & Science College, Coimbatore-48.	Co-opted member	ABSENT
13.	Dr. C. SELVAKUMAR Professor and Head, Department of Physics, Dr. N.G.P Arts & Science College, Coimbatore-48.	Co-opted member	ABSENT
14.	Dr. R. SOWRIRAJAN Assistant Professor and Head, Department of Maths, Dr. N.G.P Arts & Science College, Coimbatore-48.	Co-opted member	ABSENT
15.	Dr. N. SRIDEVI Professor & HoD Department of Food Science & Nutrition, Dr. N.G.P Arts & Science College, Coimbatore-48.	Co-opted member	ABSENT
15.	Dr. J. RENGARAJAN Professor & HoD Department of Microbiology, Dr. N.G.P Arts & Science College, Coimbatore-48.	Co-opted member	ABSENT
16.	JEEVANANTHAN C III B.Sc. Chemistry	Student Representative	PRESENT
17.	HARITHA P II M.Sc. Chemistry	Student Representative	PRESENT


* Virtual meeting – Signature not required

Date: 14/05/2021



Dr. NGPASC
COIMBATORE | INDIA




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 (Dr. M. Suganthi)
 BoS Chairman/HoD
 Department of Chemistry
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