MINUTES OF BOARD OF STUDIES MEETING-4TH OCTOBER, 2021

The second board of studies meeting of the Department of Organic Chemistry is held on 04-10-2021 at 03.00 P.M.

Members Present:

1. **Chairman:**
   Sri P.Subrahmanyam
   Head, Dept.of Organic Chemistry Studies.
   Mobile No: 9849007150.

2. **University Subject Expert:**
   Dr.B.JaganmohanReddy
   Head, Dept.of .Chemistry
   Aadikavi Nannaya University
   Rajamahendravaram.
   Mobile No: 9347153270.

3. **Subject Expert:**
   Prof.V.Padmavathi
   Dept.of.Chemistry
   Sri Venkateswara University, Tirupati.
   Mobile No: 9440079363.

4. **Subject Expert:**
   Prof.P.Shyamala
   Head, Dept.of PNCO
   Andhra University-Visakhapatnam.
   Mobile No: 9949042258.

5. **Alumini Member:**
   Sri.U.Trivikramnaidu
   Analytical Scientist
   Dr.Reddy's Labs- Hyderabad.
   Mobile No: 9676518045.

6. **Representative from Industry:**
   Sri Ch.Vinay Kumar
   Director, R.V.Labs.-Guntur.
   Mobile No: 9705112211.

7. **Members:**
   Sri.Ch.Venkateswara rao, Asst.professor Ch. V.L
   Sri.U.Ramu, Asst.professor U. Ramu
   Smt.M.Swaroopa, Asst.professor M. Swaroopa
   Kum.K.Lakshmi Jyothi, Asst.professor. K. Lakshmi Jyothi

AGENDA:

1. To discuss the Syllabus for III and IV semesters Theory, Practical papers and Project work of M.Sc. Organic Chemistry.
2. To discuss Number of teaching hours per week, credits, internal and external examinations, marks.
3. To discuss the blue print for the Internal and External Examinations.
4. To discuss the model question papers for III and IV semesters.
5. To discuss the Panel of paper setters and examiners.
6. To discuss the syllabus and model paper for Add on Programme on "Instrumental methods of chemical analysis".
7. Others, if any

RESOLUTIONS

Resolution 1- It is decided to offer the M.Sc. Organic Chemistry programme in four semesters with four theory papers in each semester along with three laboratory courses in first and second semesters and two laboratory courses in third and fourth semesters. All papers in four semesters are core papers.

i.e The M.Sc. Organic chemistry programme consists of 26 papers (16 theory + 10 laboratory courses), one project work and viva-voce. Each theory paper will have 4 credits, each laboratory course will have 3 credits and project work & viva-voce will have 6 credits. i.e the programme will have the total of 100 credits (16×4=64; + 10×3=30; + 1×6=6).

Resolution 2 – Programme sturucture It is unanimously decided to adopt the following programme/ course structure for the four semesters of M.Sc. Organic chemistry.(Listed and Tabulated in Table 1,2,3,4)

Resolution 3-Examination pattern: As part of continuous evaluation, it is resolved to conduct Internal and External Examinations in each semester for every paper. The internal/mid Exams will carry 25 marks and the External Examinations will carry 75 Marks. It is further resolved that the minimum qualifying marks for each paper is 40% of the total marks (Grade points 4) secured in both internal and external examinations subject to the condition that the student has to secure 40% of 75 Marks in the Semester(external) examinations. There is no minimum pass mark for internal Exams.

Resolution 4- Allotment of Internal Marks: It is decided to conduct two Internal/Mid Examinations in every semester for every paper. The theory exam would be conducted for 20 Marks. The average of the two Internal Exams would be finalized. 5 Marks will be allotted for two assignments (2marks) and one seminar (3 Marks).

Written test (Average of Two Mid s)	20 Marks
Assignments (Two)	2 Marks
Seminar (one)	3 Marks
Total	25 Marks

Resolution 5- Blue Print: It is resolved to implement the following Blue Print for the mid and Semester End exams.

In the Internal question paper the student has to write:

Two Short Notes out of 4 for 6 (2×3) Marks

Two essays out of 4 for 14(2 ×7) Marks.

In the External theory exam paper the student has to Write Two sections:

Section – A: 8 Essays (Either or Choice); 4×15=60 Marks

Section – B: 5 Short notes out of 8; 5×3=15 Marks.

Resolution 6- Teaching Methodology: It is resolved that PPTs, Group Discussions, Seminars and online Methods, ICT shall be the teaching methodology in addition to the traditional class Room Lectures.

Resolution 7-Summer Project Work: It is resolved that every student has to do summer project work during the first year summer i.e after the completion of second semester in an industrial organization, For 4 to 6 weeks. Every student, under the direction of faculty-guide and industry guide, has to develop a project report on the work done and submit to the department at the end of the 4th semester. **The project report will be evaluated/ assessed/Viva-voce for 100 Marks. The marks will be awarded by the Examiners committee comprising the Department Head, One Senior Faculty Member and One External Examiner** having 10 years of experience preferably Ph.d degree from an Autonomous college M.Sc. Organic Chemistry Department or a Senior Faculty Member from the parent University or any other University.

Table -1

Semester – I

Paper / Paper Code	Title of the Paper	Instruction Hours Per Week			Credits	Evaluation			Total Marks
		L	T	P		CIA Marks	SEE		
							Marks	Duration	
Paper-I 20OCHT 11	General Chemistry - I	4	--	--	4	25	75	3 hours	100
Paper-II 20OCHT 12	Inorganic Chemistry - I	4	--	--	4	25	75	3 hours	100
Paper-III 20OCHT 13	Organic Chemistry - I	4	--	--	4	25	75	3 hours	100
Paper-IV 20OCHT 14	Physical Chemistry - I	4	--	--	4	25	75	3 hours	100
Practical-I 20OCHP15	Inorganic Chemistry -I	--	--	6	3	25	75	3 hours	100
Practical-II 20OCHP16	Organic Chemistry -I	--	--	6	3	25	75	3 hours	100
Practical-III 20OCHP17	Physical Chemistry -I	--	--	6	3	25	75	3 hours	100
Total		16		18	25	175	525	21hours	700

Table -2

Semester – II

Paper / Paper Code	Title of the Paper	Instruction Hours Per Week			Credits	Evaluation			Total Marks
		L	T	P		CIA Marks	SEE		
							Marks	Duration	
Paper-I 20OCHT21	General Chemistry - II	4	--	--	4	25	75	3 hours	100
Paper-II 20OCHT22	Inorganic Chemistry - II	4	--	--	4	25	75	3 hours	100
Paper-III 20OCHT23	Organic Chemistry - II	4	--	--	4	25	75	3 hours	100
Paper-IV 20OCHT24	Physical Chemistry - II	4	--	--	4	25	75	3 hours	100
Practical-I 20OCHP25	Inorganic Chemistry -II	--	--	6	3	25	75	3 hours	100
Practical-II 20OCHP26	Organic Chemistry -II	--	--	6	3	25	75	3 hours	100
Practical-III 20OCHP27	Physical Chemistry -II	--	--	6	3	25	75	3 hours	100
Total		16		18	25	175	525	21hours	700

Table -3

Semester – III

Paper / Paper Code	Title of the Paper	Instruction Hours Per Week			Credits	Evaluation			Total Marks
		L	T	P		CIA Marks	SEE		
							Marks	Duration	
Paper-I 20OCHT 31	Organic Reaction Mechanisms-I and Organic Photochemistry	4	--	--	4	25	75	3 hours	100
Paper-II 20OCHT 32	Organic Spectroscopy-I	4	--	--	4	25	75	3 hours	100
Paper-III 20OCHT 33	Modern Organic Synthesis-I	4	--	--	4	25	75	3 hours	100
Paper-IV 20OCHT 34	Chemistry of Natural Products	4	--	--	4	25	75	3 hours	100
Practical-I 20OCHP 35	Multistep Synthesis of Organic Compounds	--	--	6	3	25	75	3 hours	100
Practical-II 20OCHP 36	Estimations and - Chromatography	--	--	6	3	25	75	3 hours	100
Total		16		12	22	150	450	21hours	600

Table -4

Semester – IV

Paper / Paper Code	Title of the Paper	Instruction Hours Per Week			Credits	Evaluation			Total Marks
		L	T	P		CIA Marks	SEE		
							Marks	Duration	
Paper-I 20OCHT41	Organic Reaction Mechanisms-II and Pericyclic Reactions	4	--	--	4	25	75	3 hours	100
Paper-II 20OCHT42	Organic Spectroscopy-II	4	--	--	4	25	75	3 hours	100
Paper-III 20OCHT43	Modern Organic Synthesis-II	4	--	--	4	25	75	3 hours	100
Paper-IV 20OCHT44	Bio-Organic Chemistry	4	--	--	4	25	75	3 hours	100
Practical-I 20OCHP45	Chromatographic Separations and Isolations & Identification of Natural Products	--	--	6	3	25	75	3 hours	100
Practical-II 20OCHP46	Spectral Identification of Organic Compounds	--	--	6	3	25	75	3 hours	100
Project 20OCHP47	Project Work & Viva voce	--	--	--	6	25	75	----	100
Total		16		12	28	175	525	18hours	700

* **CIA** – Continuous Internal Assessment, **SEE** – Semester End Examination

*4 Weeks Training in Industry/Chemical R&D/ Organization.

Total Credits: 100, Total Marks: 2700

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NARSAPUR - 534 275, W.G.DT., A.P.

DEPARTMENT OF ORGANIC CHEMISTRY

(W.e.f.2020-2021 Admitted Batch)

List of Examiners

Paper-I: Organic Reaction Mechanisms-I and Organic Photochemistry (20OCHT31)&

Organic Reaction Mechanisms-II and Pericyclic Reactions (20OCHT41)

Paper-II: Organic Spectroscopy-I (20OCHT32) &

Organic Spectroscopy-II (20OCHT42)

Paper-III: Modern Organic Synthesis-I (20OCHT33) &

Modern Organic Synthesis-II (20OCHT43)

Paper-IV: Chemistry of Natural Products (20OCHT34) &

Bio-Organic Chemistry (20OCHT44)

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