

MINUTES OF BOARD OF STUDIES MEETING -14th JULY, 2022

The Third Board of Studies meeting of the Department of Mathematics is held on 14-07-2022 at 12:00 Noon. Due to the Corona situations the meeting is conducted online through Zoom App.

Members Present:

1. Chairman

Sri G.Rangababu

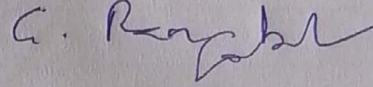
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2. University Subject Expert

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3. Subject Expert

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4. Subject Expert

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5. Special Invitee

Dr.Yedlapalli Phani

Associate Professor

Department of Basic Science

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6. Alumni

Sri Ch.Bala Raju

Lecturer in Mathematics(UG),

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7.Members

i) Smt.R.Padma Sailaja, Lecturer

R.P.Sailaja

ii) Sri S. Siva, Lecturer

S.Siva

iii) Kum. P.Esther Rani, Lecturer

P.Rani

iv) Kum. K.Srija, Lecturer

K.Srija

AGENDA

- ❖ To discuss and ratify the M.Sc.MATHEMATICS Structure for all four semesters.
- ❖ To discuss and approve the Syllabi of the third and fourth semesters of M.Sc.MATHEMATICS.
- ❖ To discuss and revise first and second semesters syllabi.
- ❖ To discuss and finalise the pattern & blue prints of the Internal and External Examinations.
- ❖ To discuss and decide the allotment of Internal marks for Assignments & Quizzes.
- ❖ To discuss about the Teaching Methodology to be adopted.
- ❖ To discuss the syllabus and model paper for certificate course on “Analytical Skills”.
- ❖ Any other item.

RESOLUTIONS

Resolution 1- It is decided to offer the M.Sc. Mathematics which shall be as is the normal in all universities-in **Two years**, in the **Semester mode**, with **2 Semesters** each in the **first** and **second** years. Each **Semester** shall have **five papers** each. All papers in the **first and second Semesters** are **core papers** and in the **third and fourth Semesters** elective courses are offered along with the Core Courses/Papers. There shall be four core papers and one elective paper (to be chosen by the students). While Four papers are offered at Elective-I in the third semester and Elective-II in the fourth semester, students will choose one of them in each of those semesters. The elective is also called Specialization.

Resolution 2- Programme Structure: It is unanimously decided to adopt the following Programme/Course Structure for the four semesters of M.Sc. Mathematics.

M.Sc. MATHEMATICS PROGRAMME STRUCTURE

M. Sc. MATHEMATICS (w.e.f. 2021-2022 Admitted Batch)

SEMESTER-I

S.No.	Course	Paper title	Paper Code	Total Marks	Mid Sem Exam	Sem End Exam	Teaching Hours	Credits
1	Paper-I	Algebra –I	M101	100	25	75	6	5
2	Paper-II	Real Analysis –I	M102	100	25	75	6	5
3	Paper-III	Differential equations	M103	100	25	75	6	5
4	Paper-IV	Topology	M104	100	25	75	6	5
5	Paper-V	Discrete Mathematics	M105	100	25	75	6	5
Total				500	125	375	30	25

SEMESTER-II

S.No.	Course	Paper title	Paper Code	Total Marks	Mid Sem Exam	Sem End Exam	Teaching Hours	Credits
1	Paper-I	Algebra –II	M201	100	25	75	6	5
2	Paper-II	Real Analysis –II	M202	100	25	75	6	5
3	Paper-III	Complex Analysis –I	M203	100	25	75	6	5
4	Paper-IV	Linear Algebra	M204	100	25	75	6	5
5	Paper-V	Probability theory & Statistics	M205	100	25	75	6	5
Total				500	125	375	30	25

SEMESTER-III

S.No.	Course	Paper title	Paper Code	Total Marks	Mid Sem Exam	Sem End Exam	Teaching Hours	Credits
1	Paper-I	Functional Analysis	M301	100	25	75	6	5
2	Paper-II	Lebesgue Theory	M302	100	25	75	6	5
3	Paper-III	Analytical Number Theory	M303	100	25	75	6	5
4	Paper-IV	Partial differential Equations	M304	100	25	75	6	5
5	Elective – I	i)Commutative Algebra ii)Lattice Theory iii) Complex Analysis-II iv) Semi Groups-I	M305	100	25	75	6	5
Total				500	125	375	30	25

SEMESTER-IV

S.No.	Course	Paper title	Paper Code	Total Marks	Mid Sem Exam	Sem End Exam	Teaching Hours	Credits
1	Paper-I	Measure Theory	M401	100	25	75	6	5
2	Paper-II	Numerical Analysis	M402	100	25	75	6	5
3	Paper-III	Graph Theory	M403	100	25	75	6	5
4	Paper-IV	Linear Programming	M404	100	25	75	6	5
5	Elective – II	i)Discrete Dynamical systems ii)Operator Theory iii)Advanced Differential Equations iv)Non-Linear Functional Analysis	M405	100	25	75	6	5
Total				500	125	375	30	25

Total Marks:2000

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 Semester Exams will carry 25 marks and the External Examinations will carry 75 marks. It is further resolved that the minimum qualifying mark 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 Semester 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 (5 Marks).

Theory Internal Assessment:

➤ Written test (Average of Two Mids)	20 Marks
➤ Assignments (Two)	5 Marks
Total	25 Marks

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

In the Internal question paper the student has to write:

Two short notes out of 4 for 10 marks

One essay out of 2 for 10 marks.

Total Marks for written test: **20 M**

1. Blue Print For External Semester - End Examinations

Max. Marks: 75

Time: 3 hrs

S.No.	Type of Question	Given in the question paper			To be answered		
		No. of Questions	Marks allotted to each question	Total marks	No. of Questions	Marks allotted to each question	Total marks
1	Section – A Essay Question (with Internal Choice)	4	15	60	4	15	60
2	Section – B Short Answer Question	5	5	25	3	5	15
TOTAL				85			75

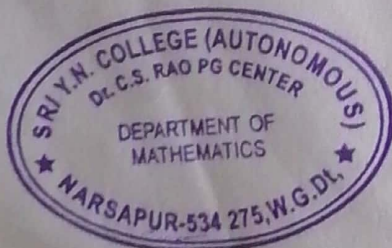
Section – A : Essay Questions : All the Four Questions (either or choice) : $4 \times 15 = 60$ Marks
One question compulsory from each unit

Section – B : Short Answer Questions Any three questions out of five : $3 \times 5 = 15$ Marks

Total Marks : 75 Marks

Resolution 6 - Teaching Methodology : It is resolved that Audio-Visual Aids, PPTs, Group Discussions, Seminars and Online Methods shall be the teaching methodology in addition to the traditional Class Room Lectures.

Resolution 7 – Resolved to introduce certificate course (Analytical Skills) to the third semester students for improving their Employability.



A. Rangish
CHAIRMAN
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(NAAC ACCREDITED COLLEGE)
NARSAPUR - 534 275, W.G.Dl, A.P.