

MINUTES OF BOARD OF STUDIES MEETING -14th OCTOBER, 2020

The First Board of Studies meeting of the Department of Mathematics is held on 14-10-2020 at 3 P.M.

Members Present:

1. Chairman

Sri G.Rangababu
HOD, Dept. of Mathematics
Dr.C.S.Rao P.G.Centre,
Sri Y.N.College(A)
Mobile No.:9949482360
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G. Rangababu

2. University Subject Expert

Dr.G.NanajiRao
Professor & Head
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Email Id : 1. nani6us@yahoo.com
2. gnanajirao.math@auvsp.edu.in

(Participated through online)

3. Subject Expert

Smt.K.Hemalatha
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4. Subject Expert

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5. Special Invitee

Dr.YedlapalliPhani
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6. Alumni

Sri.Ch.BalaRaju

Lecturer in Mathematics(UG)

Sri Y.N.College(A)

Mobile No.: 7095222504

Email Id: balarajuchinta999@gmail.com

7. Members

i) Smt.P.ChandraLalitha, Lecturer

P. chandra Lalitha.

ii) Smt.R.PadmaSailaja, Lecturer

R.P. Sailaja

iii) Smt.K.Rupadevi, Lecturer

K. Rupadevi

iv) Kum.Ch.KalyaniBhargavi, Lecturer

Ch. K. Bhargavi

AGENDA

- ❖ To discuss and ratify the M.Sc.Mathematics Programme Structure for all four semesters.
- ❖ To discuss and approve the Syllabi of the first and second semesters of M.Sc.Mathematics Programme.
- ❖ To discuss and finalise the examination pattern.
- ❖ To discuss and decide the allotment of Internal marks for Assignments & Seminars.
- ❖ To evolve the blue print for Mid and Semester end exams.
- ❖ To discuss about the Teaching Methodology to be adopted.
- ❖ 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. 2020-2021 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 (2 Marks) and One Seminar (3 Marks).

Theory Internal Assessment:

➤ Written test (Average of Two Mids)	20 Marks
➤ Assignments (Two)	2 Marks
➤ Student presentation – Seminar (One)	3 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 6 marks

Two essays out of 4 for 14 marks.

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

1. Blue Print For External Semester - End Examinations

Max. Marks: 75

Time: 3 hrs

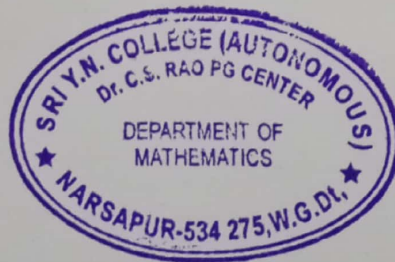
S.No.	Type of Question	Given in the question paper			To be answered		
		No. of Questions	Marks allotted to each question	Total marks	No. of Questions	Marks allotted to each question	Total marks
1	Section – A Essay Question (with Internal Choice)	4	15	60	4	15	60
2	Section – B Short Answer Question	5	5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



C. Rengababu
CHAIRMAN 14/10/2019
BOARD OF STUDIES
DEPARTMENT OF MATHEMATICS
SRI Y.N. COLLEGE (AUTONOMOUS)
W.G.D.A. COLLEGE
NARSAPUR - 534 275, W.G.D.A.P.

Dr.C.S RAO P.G. CENTRE
SRI Y.N.COLLEGE(AUTONOMOUS), NARSAPUR, W.G.Dt.,A.P.
NAAC Accredited 'A' Grade College, Affiliated to Adikavi Nannaya University
DEPARTMENT OF MATHEMATICS

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4. Dr.Ch.Srinivasulu
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5. Sri K.C.Tammi Raju
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S. Rangababu
14/10/2021
CHAIRMAN
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(NAAC ACCREDITED 'A' GRADE COLLEGE)
NARSAPUR - 534 275, W.G.Dt. A.P.



MINUTES OF BOARD OF STUDIES MEETING -12th OCTOBER, 2021

The Second Board of Studies meeting of the Department of Mathematics is held on 12-10-2021 at 12:00 Noon. Due to the Corona situations the meeting is conducted online through Zoom App.

Members Present:

1.Chairman

Sri G.Rangababu
HOD, Dept. of Mathematics
Dr.C.S.RaoP.G.Centre,
Sri Y.N.College(A)
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Bhimavaram, W.G.Dist, AP.
Mobile No.:9491322999
Email Id: sridevi.kommasani@gmail.com

5.Special Invitee

Dr.YedlapalliPhani
Associate Professor
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Email Id: phaniyedlapalli23@gmail.com

6. Alumni

Sri.Ch.BalaRaju
Lecturer in Mathematics(UG)
Sri Y.N.College(A)
Mobile No.: 7095222504
Email Id: balarajuchinta999@gmail.com

7. Members

- i) Smt.P.Chandra Lalitha, Lecturer *P. Chandra Lalitha*
- ii) Smt.R.Padma Sailaja, Lecturer *R.P. Sailaja*
- iii) Sri.S.Siva, Lecturer *S. Siva*
- iv) Kum.Ch.Kalyani Bhargavi, Lecturer *Ch. K. Bhargavi*

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 & Seminars
- ❖ 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.

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M. Sc. MATHEMATICS (w.e.f. 2020-2021 Admitted Batch)

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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
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2	Paper-II	Real Analysis –II	M202	100	25	75	6	5
3	Paper-III	Complex Analysis –I	M203	100	25	75	6	5
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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
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2	Paper-II	Lebesgue Theory	M302	100	25	75	6	5
3	Paper-III	Analytical Number Theory	M303	100	25	75	6	5
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SEMESTER-IV

S.No.	Course	Paper title	Paper Code	Total Marks	Mid Sem Exam	Sem End Exam	Teaching Hours	Credits
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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 (2 Marks) and One Seminar (3 Marks).

Theory Internal Assessment:

➤ Written test (Average of Two Mids)	20 Marks
➤ Assignments (Two)	2 Marks
➤ Student presentation – Seminar (One)	3 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 6 marks

Two essays out of 4 for 14 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

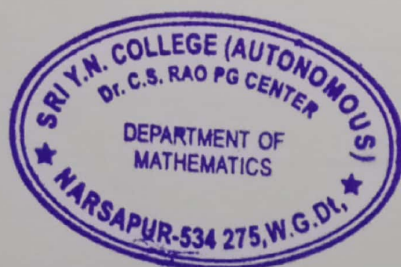
Section – A : Essay Questions : All the Four Questions (either or choice) : $4 \times 15 = 60$ Marks
One question compulsory from each unit

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 Fourth Semester Students for Improving their Employability.



G. Ranganath
12-10-2022
CHAIRMAN
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6. Prof.A.K.S.Chandrasekhar Rao

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7. Smt.K.Hemalatha

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C. Rangaiah
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(NAAC ACCREDITED 'A' GRADE COLLEGE)
NARSAPUR - 534 275, W.G.Dt. A.P.



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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3. Subject Expert

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6. Alumni

Sri Ch.Bala Raju

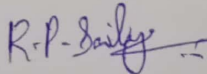
Lecturer in Mathematics(UG),

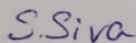
Sri Y.N.College(A), Narsapur.

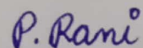
Mobile No.: 7095222504

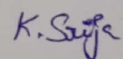
Email Id: balarajuchinta999@gmail.com

7.Members

i) **Smt.R.Padma Sailaja**, Lecturer 

ii) **Sri S. Siva**, Lecturer 

iii) **Kum. P.Esther Rani**, Lecturer 

iv) **Kum. K.Srija**, Lecturer 

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- ❖ 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 6 marks

Two essays out of 4 for 14 marks.

Total Marks for written test : 20 M

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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 mark
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.



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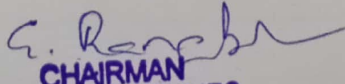
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