

**ATMIYA UNIVERSITY**  
**Board of Studies**  
**Faculty of Science**  
**Department of Mathematics**

**Date: 07.05.2019**  
**Venue: Board Room**

**Time: 10.30 am**

**Minutes of Meeting**

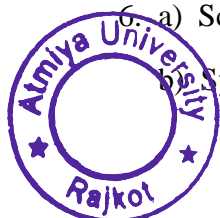
**BoS Members:**

S.N.	Name	Membership	Present/Absent
1.	Dr. Rakhimol V. Isaac	Chairperson	Present
2.	Dr. Samir K. Vaidya	Academician	Present
3.	Dr. Nita H. Shah	Academician	Present
4.	Dr. A. H. Hasmani	Academician	Leave of absence
5.	Dr. Ajay S. Gor	Academician	Leave of absence
6.	Dr. Jeegness Bosamiya	Alumni	Present
7.	Ms. Nisha H. Rabadiya	Member	Present
8.	Ms. Bhagavati R. Nabhoya	Member	Present
9.	Ms. Chandani P. Dhaduk	Member	Present
10.	Mr. Parag D. Ajani	Member	Present

**AGENDA:**

Resolutions are required from the Board of Studies on the following:

1. Syllabi for UG Programmes (B. Sc. Mathematics) for 3<sup>rd</sup>, 4<sup>th</sup>, 5<sup>th</sup> and 6<sup>th</sup> semesters' courses.
2. Syllabus of Generic Elective Courses offered in semesters 5<sup>th</sup> and 6<sup>th</sup> of UG programme.
3. Syllabi for PG Programmes (M. Sc. Mathematics) for 3<sup>rd</sup> and 4<sup>th</sup> semesters' courses.
4. Syllabus of Generic Elective Course offered in semester 3<sup>rd</sup> of PG programme.
5. a) Scheme and instructions for M. Phil Mathematics.  
b) Syllabus for M. Phil Mathematics for semesters 1<sup>st</sup> and 2<sup>nd</sup> courses.
6. a) Scheme and instructions for Ph. D. course work in Mathematics.  
b) Syllabus for Ph. D. course work.



7. a) DSE Allied Course Theory and Practical of B. Sc. Physics.  
b) DSE Allied Course Theory and Practical of B. Sc. Chemistry.
8. List of New Courses introduced
9. Any other

### **Minutes of Meeting**

The Board of Studies in Mathematics met as indicated above, and discussed on the above Agenda. Sharing the expertise of all the members and with very proactive inputs, the members **unanimously** resolved the following for students admitted from **AY 2018-2019 & onwards**:





1. The syllabi framed for the courses for the **3<sup>rd</sup>, 4<sup>th</sup>, 5<sup>th</sup> and 6<sup>th</sup> semesters** of the below stated programme **be approved**: B. Sc. Mathematics (Enclosure - IA)
2. The syllabi framed for the **Generic Elective** Courses for the **5<sup>th</sup> and 6<sup>th</sup> semesters** of the UG Programme **be approved**. (Enclosure - IIA)
3. The syllabi framed for the courses for the **3<sup>rd</sup> and 4<sup>th</sup> semesters** of the below stated programme **be approved**:  
DSE Allied Course for B. Sc. Chemistry (Enclosure-III A)
4. The syllabi framed for the courses for the **3<sup>rd</sup> semester** of the below stated programme **be approved**:  
DSE Allied Course for B. Sc. Physics (Enclosure-IV A)
5. The Syllabi framed for the courses of the **3<sup>rd</sup> and 4<sup>th</sup> semesters** of the below stated programme **be approved**.  
M.Sc. Mathematics (Enclosure-IB)
6. The syllabi framed for the courses for the **Generic Elective Courses** for the **3<sup>rd</sup> semester** of the PG Programme **be approved**. (Enclosure - IIB)
7. The members unanimously resolved to authorize the Chairperson of the BoS to finalize on the following **be approved**:  
List of paper setters and examiners for courses of all semesters of UG and PG programmes. (Enclosure-V)

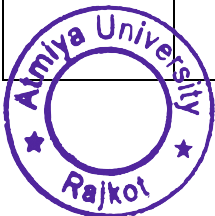
The members **unanimously** resolved the following for students admitted from **AY 2019-2020 & onwards**:



- Scheme of Instruction and Examination for all semesters of M. Phil Mathematics **be approved** (Enclosure-IC)
  - Syllabi framed for the courses for the **all semesters** of the M. Phil Mathematics programme **be approved.** (Enclosure-IIC)
  - Scheme of Instruction, Examination and Course work for Ph. D. Mathematics **be approved.** (Enclosure-ID)
  - Syllabi framed for the course work for the Ph. D. Mathematics programme **be approved.** (Enclosure-IID)
8. **Total New Courses framed vide above agenda points are 51. (Enclosure VI)**

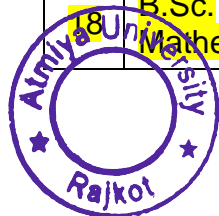
**Attendance:**

Sr. No.	Name of the Member	Signature with date
1.	Dr. Rakhimol V. Isaac	
2.	Dr. Samir K. Vaidya	Present
3.	Dr. Nita H. Shah	Present
4.	Dr. A. H. Hasmani	Leave of absence by email
5.	Dr. Ajay S. Gor	Leave of absence telephonically
6.	Dr. Jeeghesh Bosamiya	Present
7.	Ms. Nisha H. Rabadiya	
8.	Ms. Bhagavati R. Nabhoya	
9.	Ms. Chandani P. Dhaduk	Present
10.	Mr. Parag D. Ajani	 Dr. Parag Ajani

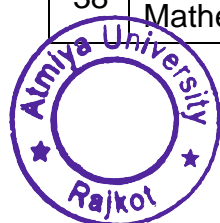


## List of New Courses framed

Sr.	Program Name	Course Name	Course Code	Year of Introduction
1	B.Sc. Mathematics	Core 10: Group Theory	18BMTCC501	2020-2021
2	B.Sc. Mathematics	Core 11: Fundamentals of Numerical Analysis	18BMTCC502	2020-2021
3	B.Sc. Mathematics	Core 12: Introduction to Python	18BMTCC503	2020-2021
4	B.Sc. Mathematics	Core 13: Set Theory and Logic (Self Study)	18BMTCC504	2020-2021
5	B.Sc. Mathematics	Core Practical 9: Programming in Python	18BMTCC505	2020-2021
6	B.Sc. Mathematics	Core Practical 10: Advanced SCILAB	18BMTCC506	2020-2021
7	B.Sc. Mathematics	Core 14: Computer Based Test	18BMTCC507	2020-2021
8	B.Sc. Mathematics	DSE-Core 1: Advanced Topics in Mathematical Analysis	18BMTDC501	2020-2021
9	B.Sc. Mathematics	DSE-Core 1: Topology	18BMTDC502	2020-2021
10	B.Sc. Mathematics	DSE-Core 1: Mechanics	18BMTDC503	2020-2021
11	B.Sc. Mathematics	Core 15: Ring Theory	18BMTCC601	2020-2021
12	B.Sc. Mathematics	Core 16: Optimization through Mathematical Programming	18BMTCC602	2020-2021
13	B.Sc. Mathematics	Core 17: Advanced Topics in Numerical Analysis	18BMTCC603	2020-2021
14	B.Sc. Mathematics	Core 18: Complex Analysis	18BMTCC604	2020-2021
15	B.Sc. Mathematics	Core Practical 12 Introduction to SAGE	18BMTCC606	2020-2021
16	B.Sc. Mathematics	Project / Internship / Training	18BMTCC607	2020-2021
17	B.Sc. Mathematics	DSE-Core 2: Graph Theory	18BMTDC601	2020-2021
18	B.Sc. Mathematics	DSE-Core 2: Basics of Number Theory	18BMTDC602	2020-2021



Sr.	Program Name	Course Name	Course Code	Year of Introduction
19	B.Sc. Mathematics	DSE-Core 2: Mathematical Modeling	18BMTDC603	2020-2021
20	All UG Programs	GE 1: Fundamentals of Statistics	18BMTGE501	2020-2021
21	All UG Programs	GE 2: Probability and Distributions	18BMTGE601	2020-2021
22	B.Sc. Mathematics	Core 5: Fundamentals of Mathematical Analysis	18BMTCC301	2019-2020
23	B.Sc. Mathematics	Core 6: Linear Algebra	18BMTCC302	2019-2020
24	B.Sc. Mathematics	Core Practical 5: Practical on Numerical Methods	18BMTCC303	2019-2020
25	B.Sc. Mathematics	Core Practical 6: Introduction to Scilab	18BMTCC304	2019-2020
26	B.Sc. Mathematics	DSE-Allied 3: Physics-III	18BMTDA301	2019-2020
27	B.Sc. Mathematics	DSE-Allied Practical 3: Physics III Practical	18BMTDA302	2019-2020
28	B.Sc. Mathematics	Core 7: Discrete Mathematics	18BMTCC401	2019-2020
29	B.Sc. Mathematics	Core 8: Integral and Vector Calculus	18BMTCC402	2019-2020
30	B.Sc. Mathematics	Core 9: Complex Variables and Inner Product Space	18BMTCC403	2019-2020
31	B.Sc. Mathematics	Core Practical 7: Advanced GEOGEBRA	18BMTCC404	2019-2020
32	B.Sc. Mathematics	Core Practical 8: Introduction to MAXIMA	18BMTCC405	2019-2020
33	B.Sc. Mathematics	DSE-Allied 4: Physics-IV	18BMTDA401	2019-2020
34	M.Sc. Mathematics	Core 9: Complex Analysis	18MMTCC301	2019-2020
35	M.Sc. Mathematics	Core 10: Discrete Mathematics	18MMTCC302	2019-2020
36	M.Sc. Mathematics	Core 11: Advanced Topics in Linear Algebra	18MMTCC303	2019-2020
37	M.Sc. Mathematics	Core 12: Optimization Techniques (Self Study)	18MMTCC304	2019-2020
38	M.Sc. Mathematics	DSE-Core 1: Financial Mathematics	18MMTDC301	2019-2020



Sr.	Program Name	Course Name	Course Code	Year of Introduction
39	M.Sc. Mathematics	DSE-Core 1: Quantitative Foundations of Bioinformatics	18MMTDC302	2019-2020
40	M.Sc. Mathematics	Core 13: Advanced Topics in Number Theory	18MMTCC401	2019-2020
41	M.Sc. Mathematics	Core 14: Functional Analysis	18MMTCC402	2019-2020
42	M.Sc. Mathematics	Core 15: Graph Theory	18MMTCC403	2019-2020
43	M.Sc. Mathematics	Core 16: Differential Geometry	18MMTCC404	2019-2020
44	M.Sc. Mathematics	Mini Project	18MMTCC405	2019-2020
45	M.Sc. Mathematics	CEC 1: Online / Professional Certification Courses / Short Term Course	18MMTCE01	2019-2020
46	M.Sc. Mathematics	CEC 2: Writing Summary of a Research Paper	18MMTCE02	2019-2020
47	M.Sc. Mathematics	DSE-Core 2: Mathematical Statistics	18MMTDC401	2019-2020
48	M.Sc. Mathematics	DSE-Core 2: Mathematical Methods	18MMTDC402	2019-2020
49	All UG Programs	SEG-II: CoC -Quantitative Aptitude & Logical Reasoning for Industrial Placement	18AECO016	2019-2020
50	All PG Programs	GE 1: Introduction to Latex	18MMTGE301	2019-2020
51	All PG Programs	GE 1: Numerical Methods	19MMTGE301	2019-2020



**Registrar**  
**Atmiya University**  
**Rajkot**