

## **PG & Research Department of Mathematics**

**Loyola College, Chennai**

### **Board of Studies Meeting**

**Date:** March 21, 2019 (Thursday)

**Time:** 10.00 a.m.

**Venue:** Mathematics Smart Room

**Agenda:** Restructuring of M.Phil Curriculum (2019-20)

#### **Content of the Minutes:**

- Overall 75% of M.Phil syllabus is revised.
- The list of new papers introduced in the M.Phil restructuring 2019 are as follows
  - Research Methodology
  - Algebra and Analysis
  - Advanced Astronomy
  - Advanced Number Theory and Cryptography
  - Advanced Graph Theory
  - Optimization Techniques
  - Geodesic Convexity in Graphs
  - Fuzzy Subsets and its Applications
  - Fuzzy Logic and its Applications

56<sup>th</sup> BOARD OF STUDIES

The board of studies meeting of the department held at 10.00 A.M on March 21, 2019 (Thursday) in the department smart room.

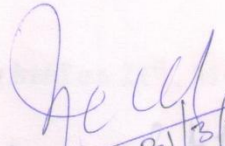
The following members of the staff were present

- 1. Dr. M.A. Basker - Head *Cystosol*
- 2. Dr. T. Pathinathan *Bsm2*
- 3. Rev. Dr. Samuel Jeyaseelan S.S.
- 4. Dr. D. Antony Xavier *Antony Xavier*
- 5. Dr. D. Florence Isido *NTherme*
- 6. Prof. J. Maria Roy Felix *Maria Roy Felix*
- 7. Dr. M. Arockiaraj *Arockiaraj*
- 8. Dr. M. Chris Monica *Chris Monica*
- 9. Dr. S. Littleoice *S. Littleoice*
- 10. Dr. Charles Robert Kenneth *Charles Robert Kenneth*
- 11. Dr. Y. Kins *Y. Kins*
- 12. Dr. D. Francis Xavier *D. Francis Xavier*
- 13. Dr. Athisayanathan *Athisayanathan*
- 14. Dr. J. Janet Sheeba *J. Janet Sheeba*
- 15. Dr. T. Bharathi *T. Bharathi*
- 16. Dr. S. Aseervatham *S. Aseervatham*
- 17. Dr. S. Iruthaya Raj *S. Iruthaya Raj*
- 18. Prof. Emmanuel *Emmanuel*
- 19. Prof. A. Christopher *A. Christopher*
- 20. Prof. K. Loura Jency *K. Loura Jency*
- 21. Prof. D. Kumanan *D. Kumanan*
- 22. Dr. Geno Kadwin. J *Geno Kadwin. J*

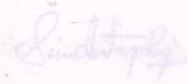
External Members/representatives

SIGNATURES

1. Dr. C. Selvaraj  
Associate Professor  
Department of Mathematics (shift-I)  
Presidency College, Chepauk - 34.  
Chennai - 05

  
21/3/2019

2. Dr. D. Arivudainambi  
Associate Professor  
Department of Mathematics  
Anna University  
Chennai - 25



3. Mr. N. Ywarajan  
Prominent Alumni  
Senior Manager  
Standard Chartered Global  
Business Services  
Haddows Road  
Chennai





## Students Representatives

## SIGNATURE

1. Mr. Antony - S  
16-UMT-016  
III<sup>rd</sup> B.Sc. Mathematics (Shift-I)  
Logola College, Chennai-34.  
S. Antony
2. Mr. P. Simon Antony Raj,  
17-PMT-007,  
M.Sc. (Year-II) Mathematics,  
Logola College, Chennai-34.  
S. Antony Raj

## Expert's Suggestions

- First year combined syllabus paper Algebra Calculus I and II were given into two separate papers.
- First semester students will study Algebra paper and Calculus paper as major papers in Semester I.
- Syllabus is comprehensive.

## Proposed UG Syllabus and Modification

- The content of unit 3 and 4 of new calculus paper is heavy, it was suggested to reduce the few topics.
- Proof of Clayey Hamilton theorem can be omitted from Algebra paper offered in Semester I.
- In second semester the following new papers are introduced
  - (i) Analytical Geometry.
  - (ii) Trigonometry, Fourier series & Vector Analysis.
- After seeing the new syllabus of +2 mathematics, it is better to frame the new UG syllabus.
- Emphasis on equal weightage requires greater attention.