



SYLLABUS

DEPARTMENT OF B.SC MATHEMATICS

DR.M.G.R.JANAKI COLLEGE FOR WOMEN

EXCELLENCE THROUGH DILIGENCE

"Sathyabama MGR Maligai", 11&13, Durgabai Deshmuk Road, Chennai - 600028,
Tamilnadu. Phone:044 2493 7382 , E-mail: info@mgrjanaki.ac.in ,

Web: www.mgrjanaki.ac.in

SYLLABUS

Semester I

<u>S.No</u>	<u>SUBJECT</u>	<u>SUBJECT NAME</u>
1.	Part I	English
2.	Part II	Language
3.	Major I	Algebra & Trigonometry -I
4.	Major II	Calculus of Co-ordinate Geometry of 2 -Dimensions
5.	Allied	Calculus of finite differences & Numerical Analysis-I
6.	NME	Functional Mathematics –I
7.	Soft Skill communication	Essentials of Language &

Semester II

<u>S.No</u>	<u>SUBJECT</u>	<u>SUBJECT NAME</u>
1.	Part I	English
2.	Part II	Language
3.	Major III	Algebra & Trigonometry -II
4.	Major IV	Calculus & Differential Geometry

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- | | |
|------------------------------------|-------------------------------------|
| 5. Allied
Numerical Analysis-II | Calculus of finite differences & |
| 6. NME | Functional Mathematics –II |
| 7. Soft Skill
Skill | Essentials of Spoken & Presentation |

Semester III

<u>S.No</u>	<u>SUBJECT</u>	<u>SUBJECT NAME</u>
1.	Part I	English
2.	Part II	Language
3.	Major V	Differential Equations & Laplace Transforms
4.	Major VI	Co-ordinate Geometry of 3 Dimensions and Probability
5.	Allied	Mathematical Statistics – I
6.	Soft Skill	Personality Enrichment
7.	EVS	Environmental studies

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Semester IV

<u>S.No</u>	<u>SUBJECT</u>	<u>SUBJECT NAME</u>
1.	Part I	English
2.	Part II	Language
3.	Major VII	Vector Calculus, Fourier Series & Fourier Transforms
4.	Major VIII	Statics
5.	Allied	Mathematical Statistics – II
6.	Soft Skill	Computing skills
7.	EVS	Environmental studies

Semester V

<u>S.No</u>	<u>SUBJECT</u>	<u>SUBJECT NAME</u>
1.	Major IX	Algebraic Structures-I
2.	Major X	Real analysis -I
3.	Major XI	Dynamics
4.	Major XII	Programming language -C Programming language C with mathematical practical
5.	Elective-I	Operations Research- I
6.	VE	Value education

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Semester VI

<u>S.No</u>	<u>SUBJECT</u>	<u>SUBJECT NAME</u>
1.	Major XIII	Algebraic Structures-II
2.	Major XIV	Real analysis -II
3.	Major XV	Complex Analysis
4.	Elective-I	Operations Research- II
5.	Elective-II	Discrete Mathematics

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