

DR. MGR-JANAKI COLLEGE OF ARTS & SCIENCE FOR WOMEN
B. Sc (MATHEMATICS) - PAPERS OFFERED

I SEMESTER	
LANGUAGE	LANGUAGE -1
ENGLISH	ENGLISH - 1
MAJOR	ALGEBRA
MAJOR	TRIGONOMETRY
ALLIED	CALCULUS OF FINITE DIFFERENCE AND NUMERICAL ANALYSIS - 1
NON-MAJOR ELECTIVE	FUNCTIONAL MATHS -1/ BASIC TAMIL - 1/ ADVANCE TAMIL - 1
SOFTSKILL	ESSENTIALS OF LANGUAGE AND COMMUNICATION SKILL

LANGUAGE – TAMIL /HINDI /SANSKRIT /FRENCH /ARABIC

II SEMESTER	
LANGUAGE	LANGUAGE - 2
ENGLISH	ENGLISH - 2
MAJOR	DIFFERENTIAL CALCULUS
MAJOR	ANALYTICAL GEOMETRY
ALLIED	CALCULUS OF FINITE DIFFERENCE AND NUMERICAL ANALYSIS - 2
NON-MAJOR ELECTIVE	FUNCTIONAL MATHS – 2/ BASIC TAMIL – 2 / ADVANCE TAMIL -2
SOFTSKILL	PERSONALITY ENRICHMENT - 1

III SEMESTER	
LANGUAGE	LANGUAGE - 3
ENGLISH	ENGLISH - 3
MAJOR	INTEGRAL CALCULUS
MAJOR	DIFFERENTIAL EQUATIONS
ALLIED	MATHEMATICAL STATISTICS - 1
SOFTSKILL	COMPUTING SKILLS - 1

IV SEMESTER	
LANGUAGE	LANGUAGE - 4
ENGLISH	ENGLISH - 4
MAJOR	TRANSFORM TECHNIQUES
MAJOR	STATICS
ALLIED	MATHEMATICAL STATISTICS - 2
PRACTICAL	MATHEMATICAL STATISTICS – 1 & 2
SOFTSKILL	PERSONALITY ENRICHMENT - 2
ENVIRONMENTAL SCIENCE	

V SEMESTER	
MAJOR	ALGEBRAIC STRUCTURES
MAJOR	REAL ANALYSIS – 1
MAJOR	DYNAMICS
MAJOR	DISCRETE MATHEMATICS
ELECTIVE	PROGRAMMING LANGUAGE 'C'/ MATHEMATICAL MODELING/ NUMERICAL METHODS
PRACTICAL	PROGRAMMING LANGUAGE 'C'
VALUE EDUCATION	

VI SEMESTER	
MAJOR	LINEAR ALGEBRA
MAJOR	REAL ANALYSIS – 2
MAJOR	COMPLEX ANALYSIS
ELECTIVE	GRAPH THEORY - 1/ ELEMENTARY NUMBER THEORY
ELECTIVE	OPERATIONS RESEARCH/ SPECIAL FUNCTIONS
EXTENSION SERVICE	