

**DR. MGR-JANAKI COLLEGE OF ARTS & SCIENCE FOR WOMEN
M. Sc (APPLIED MICROBIOLOGY) - PAPERS OFFERED**

SEMESTER-I	
MAJOR	MICROBIAL TAXONOMY
MAJOR	GENERAL MICROBIOLOGY AND LABORATORY ANIMAL SCIENCE
MAJOR	IMMUNOLOGY
ELECTIVE	METABOLIC PATHWAYS
ELECTIVE	MICROBIAL DIVERSITY
PRACTICAL	GENERAL MICROBIOLOGY, MICROBIAL PHYSIOLOGY & IMMUNOLOGY
SOFTSKILL	ESSENTIAL OF LANGUAGE AND COMMUNICATION SKILLS

SEMESTER-II	
MAJOR	MEDICAL VIROLOGY
MAJOR	MEDICAL BACTERIOLOGY
MAJOR	MEDICAL MYCOLOGY & PARASITOLOGY
ELECTIVE	INDUSTRIAL & PHARMACEUTICAL MICROBIOLOGY
EXTRA DISCIPLINARY	BIO INFORMATICS & BIO STATISTICS
PRACTICAL	MEDICAL BACTERIOLOGY, VIROLOGY, MYCOLOGY & PARASITOLOGY
SOFT SKILL	SPOKEN & PRESENTATION SKILLS

SEMESTER-III	
MAJOR	MICROBIAL GENETICS
MAJOR	GENETIC ENGINEERING
MAJOR	MOLECULAR BIOLOGY
ELECTIVE	SOIL & AGRICULTURAL MICROBIOLOGY
EXTRA DISCIPLINARY	ENVIRONMENTAL BIOTECHNOLOGY
PRACTICAL	MOLECULAR GENETICS, BIOLOGY & GENETIC ENGINEERING
SOFT SKILL	LIFE AND MANAGERIAL SKILLS
INTERNSHIP	

SEMESTER-IV	
MAJOR	FOOD, DAIRY & ENVIRONMENTAL MICROBIOLOGY
MAJOR	RESEARCH METHODOLOGY
PROJECT	PROJECT & VIVA VOCE
PRACTICAL	SOIL, AGRICULTURAL, FOOD AND ENVIRONMENTAL MICROBIOLOGY
SOFT SKILL	TRANSLATIONAL & COMMUNICATIONAL SKILL