



St. Mary's College (Autonomous)
Reaccredited with 'A+' Grade by NAAC (Cycle IV)
Thoothukudi



Criterion: I – Curricular Aspects
1.1 – Curriculum Design and Development
Year: 2018-2023

Programme: M. Sc Microbiology

SEMESTER-III			
Core-IX- Industrial and Pharmaceutical Microbiology			
Course Code:21PMIC31	Hrs/Week:5	Hrs/Sem:75	Credits:4

Course Outcome:

CO.No.	Upon completion of this course, students will be able to	PSO addressed	CL
CO -1	revise the idea about the usage of microorganisms in the field of industrial microbiology	3	An
CO -2	analyse the knowledge of various industrial and pharmaceutical products and its impacts on the society.	4	Un
CO -3	knowledgeable in industrial fermentation	3	Un
CO -4	have an insight on industrial microbiological techniques	2	Re
CO -5	knowledge of basics and applied microbiological aspects of industries.	1	Un
CO-6	acquire the knowledge about production of various industrial and pharmaceutical products	4,5	Un

SEMESTER – IV			
Core – XIV		Soil and Agricultural Microbiology	
Course Code :21PMIC42	Hrs/ Week: 4	Hrs/ Sem: 60	Credit: 4

Course Outcome:

CO.No	Upon completion of this course, students will be able to	PSO addressed	CL
CO-1	recall the ecological groups of microbes and properties of soil	1	Re, Un
CO -2	have knowledge about the soil fertility	1,2	Un
CO-3	recall the previous basic knowledge about nitrogen fixing	1,2	Re, Co
CO-4	explain about plant microbe interaction.	2	Un
CO-5	acquire basic knowledge about important of plant microbe interaction for different layers (rhizosphere, phyllosphere)	2	Ap, Un
CO-6	Gets knowledge about recombinant microbes in agriculture.	2,4	Un, Co



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