

Department of Microbiology, Swami Shraddhanand College

NEP UGCF-2022

Core Papers

Semester	Code	DSC Papers of each semester	Credit Th	Credit Pr
1st	DSC-1	Introduction to the Microbial World	3	1
	DSC-2	Basic Bacteriology	3	1
	DSC-3	Biochemistry of Carbohydrates and Lipids	3	1
2nd	DSC-4	Bacterial Diversity and Systematics	3	1
	DSC-5	Biochemistry of Nucleic acids and Proteins	3	1
	DSC-6	Food and Dairy Microbiology	3	1
3rd	DSC-7	Basic Concepts Of Cell Biology	3	1
	DSC-8	Microbial Physiology and Metabolism-I	3	1
	DSC-9	Environmental Microbiology	3	1
4th	DSC-10	Advances in Cell Biolo	3	1
	DSC-11	Microbial Physiology and Metabolism-II	3	1
	DSC-12	Virology	3	1

DSE PAPERS

Semester	Code	DSE Paper	Credit Th	Credit Pr
Sem 3	DSE-10	Principles of Genetics	2	2
Sem 4	DSE-3	Microbial Quality Control in Food and Pharmaceutical Industries	2	2

GENERIC PAPERS

Semester	Code	Paper	Credit Th	Credit Pr
Sem 1	GE1	Introduction and Scope of Microbiology	2	2
Sem 2	GE6	Applications of Microbes in Biotechnology	2	2
Sem 3	GE4	Microbial Quality Control and Testing	2	2
Sem 4	GE8	Microbes in Environmental Management	2	2

SEC PAPERS

Semester	SEC paper	Credit
Sem 1	Public health, hygiene and nutrition	Pr 2
Sem 2	Basic Laboratory Techniques	Pr 2
Sem 3	Bioinoculants for Agriculture and Sustainable Development	Pr 2
Sem 4	Lab Testing and Quality Assurance	Th1+Pr1