

**Department of Microbiology, Swami Shraddhanand College**

**Dated: 18.12.2023**

**NEP UGCF-2022**

**Core Papers**

<b>Semester</b>	<b>Code</b>	<b>DSC Papers of each semester</b>	<b>Credit Th</b>	<b>Credit Pr</b>
<b>1<sup>st</sup></b>	DSC-1	Introduction to the Microbial World	3	1
	DSC-2	Basic Bacteriology	3	1
	DSC-3	Biochemistry of Carbohydrates and Lipids	3	1
<b>2<sup>nd</sup></b>	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
<b>3<sup>rd</sup></b>	DSC-7	Basic Concepts Of Cell Biology	3	1
	DSC-8	Microbial Physiology and Metabolism-I	3	1
	DSC-9	Environmental Microbiology	3	1
<b>4<sup>th</sup></b>	DSC-10	Advances in Cell Biology	3	1
	DSC-11	Microbial Physiology and Metabolism-II	3	1
	DSC-12	Virology	3	1

**DSE PAPERS**

<b>Semester</b>	<b>Code</b>	<b>DSE Paper</b>	<b>Credit</b>
<b>Sem 3</b>	DSE-10	Principles of Genetics	4
<b>Sem 4</b>	DSE-3	Microbial Quality Control in Food and Pharmaceutical Industries	4

### GENERIC PAPERS

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