

Paper Code	Paper and Title	Credits	No of Hours/ week Theory/ Practical	Duration of Exam (SEE)	Marks		Total
					Internal 25	SEE 75	
HCT 1.1	Fundamentals of Microbiology	4	4	3	25	75	100
HCT 1.2	Cell Biology and Biochemistry	4	4	3	25	75	100
HCT 1.3	Bacteriology	4	4	3	25	75	100
SCT 1.4	Virology and Mycology	4	4	3	25	75	100
	Practical Based on paper 1.1	2	4	3	15	35	50
	Practical Based on paper 1.2	2	4	3	15	35	50
	Practical Based on paper 1.3	2	4	3	15	35	50
	Practical Based on paper 1.4	2	4	3	15	35	50
MICHCT21	Microbial Physiology and Metabolism	4	4	3	25	75	100
MICHCT32	Microbial Genetics and Molecular Biology	4	4	3	25	75	100
MICSCT21	Environmental Microbiology (A)	4	4	3	25	75	100
	Biophysics, Biostatistics and Bioinformatics (B)	4	4	3	25	75	100
MICOET21	Microbes in Human Welfare	2	2	2	15	35	50
	Practical Based on paper 2.1	2	4	3	15	35	50
	Practical Based on paper 2.2	2	4	3	15	35	50
	Practical Based on paper 2.3	2	4	3	15	35	50
MICHCT31	Recombinant DNA Technology	4	4	3	25	75	100
MICHCT32	Immunology and Immunotechnology	4	4	3	25	75	100
MICSCT33	Food and Dairy Microbiology (A)	4	4	3	25	75	100
	Microbial Enzymology (B)	4	4	3	25	75	100
MICOET31	Microbes and Environment	2	2	2	15	35	50
	Practical Based on paper 3.1	2	4	3	15	35	50
	Practical Based on paper 3.2	2	4	3	15	35	50
	Practical Based on paper 3.3	2	4	3	15	35	50
MICHCT4.1	Fermentation Technology and Bioprocess Engineering	4	4	3	25	75	100
MICHCT4.2	Medical Microbiology and Diagnostics	4	4	3	25	75	100
	Internship/Project – Dissertation	4	4	3	25	75	100
MICSCT4.1	Agricultural Microbiology	4	4	3	25	75	100
	Practical Based on paper 4.1	2	4	3	15	35	50
	Practical Based on paper 4.2	2	4	3	15	35	50
	Project colloquium and Viva	2	4	3	15	35	50
	Practical Based on paper 4.4	2	4	3	15	35	50