

Sidho-Kanho-Birsha University, Purulia

Department of Biotechnology

w.e.f Academic Session 2020-21

Curriculum

1st Semester	Core Courses	Theory	Practical	Credits24
MBITCCT101	Biochemistry	50		4
MBITCCS102	Biochemistry		50	4
MBITCCT103	Cell Biology and Molecular Biology	50		4
MBITCCS104	Cell Biology and Molecular Biology		50	4
MBITCCT105	Bio-Instrumentation and Biophysical Chemistry	25		2
MBITCCC105	Microbiology	50	25	4+2
2 nd Semester	Core Courses	Theory	Practical	Credits 24
MBITCCC201	Genetics	25	25	2+2
MBITCCC202	Biostatistics	25	25	2+2
MBITCCT203	Metabolism	25	-	2
MBITCCC204	Recombinant DNA technology	50	25	4+2
MBITCCC205	Diversity of Life form & Environmental application	25	25	2+2
MBITCCC206	Immunology	25	25	2+2
3 rd Semester	Core Courses	Theory	Practical	Credits 24
MBITCCC301	Genomics Proteomics & Protein Engineering	50	25	4+2
MBITCCC302	Bioinformatics and Computer Application	25	25	4+2
MBITCCC303	Bioprocess Engineering and Microbial Technology, Entrepreneurship	50	25	4+2
	Choice Based Credit Courses			Credit 8
MBITOET304	Open elective	50		4
MBITCCS305	Outreach	-	50	4
4 th Semester	Core Courses	Theory	Practical	Credits 24
MBITCCT401	IPR, Biosafety and Bioethics and Medical Biotechnology	50	-	4
MBITCCS402	Dissertation	-	100	8

MBITCCS403	Seminar & Grand Viva/Industrial training	-	50	2+2
MBITCCC404	Plant and Animal Biotechnology	25	25	2+2
MBITCCT404	Add on	50	-	4