

CBCS SYLLABUS
FOR
THREE YEARS UNDER-GRADUATE COURSE
IN
MICROBIOLOGY (PROGRAMME)
(w.e.f. 2017)



BANKURA UNIVERSITY
BANKURA
WEST BENGAL
PIN 722155



STRUCTURE IN MICROBIOLOGY (PROGRAMME)

SEMESTER – I

Course Code	Course Title	Credit	Marks			No. of Hours		
			I.A.	ESE	Total	Lec.	Tu.	Pr.
SP/MCB/101/C -1A	Introduction and Scope of Microbiology	6	10	40 (25+15)	50	4		4
SP/102/ C-2A	Discipline-2	6	10	40	50			
SP/103/ C-3A	Discipline-3	6	10	40	50			
ACSHP/ 104/ AECC-1	Environmental Studies	4	10	40	50			
Total in Semester – I		22	40	160	200			

SEMESTER –II

Course Code	Course Title	Credit	Marks			No. of Hours		
			I.A.	ESE	Total	Lec.	Tu.	Pr.
SP/MCB/201/C -1B	Bacteriology and Virology	6	10	40 (25+15)	50	4		4
SP/202/ C-2B	Discipline - 2	6	10	40	50			
SP/ 203/C- 3B	Discipline - 3	6	10	40	50			
ACSHP/204/ AECC-2	English/MIL	2	10	40	50			
Total in Semester - II		20	40	160	200			

**SEMESTER – III**

Course Code	Course Title	Credit	Marks			No. of Hours		
			I.A.	ESE	Total	Lec.	Tu.	Pr.
SP/MCB/ 301/C-1C	Microbial Metabolism	6	10	40 (25+15)	50	4		4
SP/302/C-2C	Discipline - 2	6	10	40	50			
SP/ 303/ C-3C	Discipline - 3	6	10	40	50			
SP/MCB/304/ SEC-1	Microbiological analysis of air and water	2	10	40 (25+15)	50	1		2
Total in Semester - III		20	40	160	200			

SEMESTER – IV

Course Code	Course Title	Credit	Marks			No. of Hours		
			I.A.	ESE	Total	Lec.	Tu.	Pr.
SP/MCB/401/C -1D	Medical Microbiology and Immunology	6	10	40 (25+15)	50	4		4
SP/ 402/ C-2D	Discipline-2	6	10	40	50			
SP/ 403/ C-3D	Discipline-3	6	10	40	50			
SP/MCB/404/ SEC-2	Microbial Diagnosis in health clinic	2	10	40 (25+15)	50	1		2
Total in Semester - IV		20	40	160	200			

**SEMESTER – V**

Course Code	Course Title	Credit	Marks			No. of Hours		
			I.A.	ESE	Total	Lec.	Tu.	Pr.
SP/MCB/501/D SE-1A	Industrial and Food Microbiology	6	10	40 (25+15)	50	4		4
SP/ 502/DSE- 2A	Discipline - 2	6	10	40	50			
SP/ 503/DSE- 3A	Discipline - 3	6	10	40	50			
SP/MCB/504/S EC-3	Food Fermentation Techniques	2	10	40	50			
Total in Semester – V		20	40	160	200			

SEMESTER – VI

Course Code	Course Title	Credit	Marks			No. of Hours		
			I.A.	ESE	Total	Lec.	Tu.	Pr.
SP/MCB/ 601/DSE-1B	Microbes in Environment	6	10	40 (25+15)	50	4		4
SP/ 602/DSE- 2B	Discipline - 2	6	10	40	50			
SP/ 603/DSE- 3B	Discipline - 3	6	10	40	50			
SP/MCB/ 604/SEC-4	Biofertilizer and Biopesticides	2	10	40	50			
Total in Semester – VI		20	40	160	200			

SP= Science programme/Pass, MCB= Microbiology, ACSHP= Arts Commerce Science Honours Pass, C= Core Course, MIL= Modern Indian Language, AECC = Ability Enhancement Compulsory Course, SEC= Skill Enhancement Course, DSE= Discipline Specific Elective IA= Internal Assessment, ESE= End-Semester Examination, Lec.= Lecture, Tu.= Tutorial, and Pr.=Practical