

ACADEMIC PLAN FOR THE DEPARTMENT OF MICROBIOLOGY

SESSION:2018-19 (ODD & EVEN SEMESTER)

SEMESTER	PAPER	UNIT	TEACHER		No. of class hours allotted per week (as per class routine)		Total no. of class hours required in the session (Approx.)		Duration (in month)	Remark (if any)					
			Theory	Practical/Tutorial	Theory	Practical/Tutorial	Theory	Practical/Tutorial							
I st Semester (UG) (CBCS)	CC-1: INTRODUCTION TO MICROBIOLOGY AND MICROBIAL DIVERSITY	Unit 1: History of Development of Microbiology	Dr. Sampa Debnath	Dr. Saswati Gayen	1	4	50	60	4						
		Unit 3: An overview of Scope of Microbiology													
		Unit 2: Diversity of Microbial World	Dr. Saswati Gayen		3										
		Unit 2A: Systems of classification													
		Unit 2B: General characteristics of different groups													
		Unit 2B: Fungi													
		Unit 2B: Algae													
	Unit 2B: Protozoa														
	CC-2: BACTERIOLOGY	Unit 1: Cell organization	Dr. Prasenjit Das	Miss Sahana Ghosh	2	4	50	60			4				
		Unit 6: Bacterial Systematics													
		Unit 7: Important archaeal and eubacterial groups	Mr. Pinaki Hazra		1										
		Unit 2: Bacteriological techniques													
Unit 3: Microscopy		Miss Sahana Ghosh	1												
Unit 4: Growth and nutrition															
Unit 5: Reproduction in Bacteria															
II nd Semester (UG) (CBCS)	CC-3: BIOCHEMISTRY	Unit 1: Bioenergetics	Dr. Sampa Debnath	Dr. Sampa Debnath	3	4	50	60	4						
		Unit 2: Carbohydrates													
		Unit 5: Enzymes													
		Unit 6: Vitamins													
		Unit 3: Lipids			Dr. Arun Roy						1				
	Unit 4: Proteins														
	CC-4: CELL BIOLOGY	Unit 1: Structure and organization of Cell	Dr. Prasenjit Das		Miss Sahana Ghosh						3	4	50	60	4
		Unit 2: Nucleus													
		Unit 3: Protein Sorting and Transport													
		Unit 4: Cell Signalling	Dr. Sudip Samadder								1				
Unit 5: Cell Cycle, Cell Death and Cell Renewal															