

**ACADEMIC PLAN FOR THE DEPARTMENT OF MICROBIOLOGY** **SESSION:2017-18 (EVEN SEMESTER)**

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SEMESTER	PAPER	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		
II <sup>nd</sup> Semester (PG) (Autonomous)	1. Microbial Cell Biology	Dr. Prasenjit Das	-----	2	-----	30	-----	4	
		Dr. Saswati Gayen		1					
	2. Molecular Biology	Dr. Gargi Saha Kesh	Dr. Gargi Saha Kesh	3	2	40	30	4	
		Mr. Pinaki Hazra		1					
	3. Regulation of Gene Expression	Dr. Arpita Das	-----	2	-----	30	-----	4	
		Dr. Arun Roy		1					
	4. Microbial Metabolism	Dr. Sampa Debnath	-----	2	-----	30	-----	4	
		Dr. Saswati Gayen		1					
	5. Environmental Microbiology	Dr. Prasenjit Das	Dr. Shilajit Barua	1	2	30	30	4	
		Dr. Saswati Gayen		1					
Dr. Shilajit Barua		1							
Paper Review & Presentation	A presentation based on published papers in journals shall be delivered by the students before a panel of Departmental Teachers. Students will be mentored by the Departmental teachers.								
IV <sup>th</sup> Semester (PG) (Autonomous)	1. Genetics (Prokaryotic and Eukaryotic)	Dr. Prasenjit Das	-----	2	-----	40	-----	4	
		Dr. Gargi Saha Kesh		2					
	2. Virology	Dr. Shilajit Barua	-----	2	-----	30	-----	4	
		Dr. Arun Roy		1					
	3. Fermentation & Bioprocess Engineering	Dr. Debopam Banerjee	Dr. Shilajit Barua	2	2	25	25	4	
	4. Medical Biotechnology and Gene therapy	Dr. Arun Roy	-----	1	-----	20	-----	4	
		Mr. Anindya Bhattacharya		1					
	5. Computer Applications & Bioinformatics	Miss Upasana Das	Miss Upasana Das	2	2	25	25	4	
	6. Eukaryotic Microbiology and Phycology	Dr. Saswati Gayen	-----	1	-----	30	-----	4	
		Dr. Bidisha De		2					
7. Grand Viva	Students will be evaluated on all the topics discussed in the two years programme by a panel of experts.								