

**ANNUAL CURRICULAR**

**PLAN (Year)**

MicroBiology, Cell

NAMR OF THE LECTURER S. ANURADHA

CLASS : B.Sc(B&BT) Semester : II

(B&BT)

Paper : Microbial Biology

MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/ TOPIC	Additional Input/Value Addition Provided/ Taught	CURRICULAR ACTIVITY			CO-CURRICULAR ACTIVITY				
					Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date
June	1 <sup>st</sup> (1-5)	4	Syllabus dictation, History & Contributions of Scientists.	-	Display of pictures of Scientists	1	Yes	-	Contributions of scientists	1	Yes	-
			Ultra-struct. of Bacteria	-		1			Assembly activity			
	2 <sup>nd</sup> (7-12)	4	Growth curve, Pure Culture Techs,	-	Procedures will be shown	1	Yes	-	Made students			
			Sterilization techs	-	practically				practice streaking & spreading techniques	1	Yes	-
	3 <sup>rd</sup> (14-19)	4	Simple staining, Gram "	Importance of Staining	Important							
			Acid fast "									
			Concept of microbial sps & strains									
	4 <sup>th</sup> (21-26)	4	Classification of Bacteria,						Models of diff. shapes			
			General character of Viruses,	showed them diff. bacteria	will be shown videos	1	Yes	-	of bacteria	1	Yes	-

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Signature of the Principal  


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			cultiv <sup>n</sup> of Viruses,										
	5 <sup>th</sup> (28-30)	4	struct. of progs of TMU, NDV, HIV,	will showed them videos	Made them talk on	1	Yes	-	1 minute show on diseases	1	Yes	-	
			T4, Dengue, Rabies, SARS, cov-2		diff. diseases								
Sept	1 <sup>st</sup> (1-4)	4	TB, Typhoid, Fungi, Algae, Mycoplasma, Prod. of Penicillin	Economic importance of Algae, Fungi & Mycoplasmas.	-	-	-	-	-	-	-	-	
	(6-11)	4	Cell organelles - ER, Golgi, Ribosomes,	Importance of each cell organelle	-	1	Yes		1 minute show on cell organelles	1	Yes	-	
			Mitochondria, Vacuoles.		-	-	-	-	-	-	-	-	
	(13-18)	4	2 mid-sem exams -						will Make them observe				
			cell cycle cell division (mitosis)	Importance	-	1	Yes	-	Permanent slides	1	Yes	-	

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	4 <sup>th</sup> (20-25)	4	chemical comp <sup>n</sup> & dynamic nature of cell membrane,	Importance of cell membrane & cell signalling.	} showed You tube Video }	1	Yes	-	-	-	-	-	-
			cell signaling & communication.			1							
	5 <sup>th</sup> (27-30)	2	Endocytic pathways										
October	1 <sup>st</sup> (1-2)	2	Models of DNA rep <sup>n</sup> , DNA rep <sup>n</sup> .	will be showed Animation.	-	1	Yes	-	will Make them prepare charts & theoretical models.	1	Yes	-	-
	2 <sup>nd</sup> (4-9)	4	DNA rep <sup>n</sup> contd, Euk. DNA rep <sup>n</sup> ,										
			DNA damage & repair	Consequences of DNA damage	-	1	Yes	-					
			lac operon, Top operon.										
	3 <sup>rd</sup> (11-16)	4	genome organization in Proks & Euks.		You tube Videos	1	Yes	-			+	Yes	-
			genetic code, Transcription - Proks & Euks										

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			genetic code	-	-	-	-	-	-	-	-	-	-
	4 <sup>th</sup> (18-23)	4	Post-transcriptional modifications, Translation, Post-translational modifications	-	-	-	-	-	-	-	-	-	-
			animation	-	1	Yes	-	-	-	-	-	-	-
	(25-30)	4	II mid-semester examinations	-	-	-	-	-	-	-	-	-	-
			practical Exams followed by semester-end examinations	-	-	-	-	-	-	-	-	-	-

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