

ANNUAL CURRICULAR					PLAN (Year)								
NAME OF THE LECTURER S. ANURADHA					CLASS : I BZBT Semester : II								
					CURRICULAR ACTIVITY				CO-CURRICULAR ACTIVITY				
MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/ TOPIC	Additional Input/Value Addition Provided/ Taught	Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	
June	3 rd W	4	Syllabus dictation	-	-	-	-	-	-	-	-	-	
			History of Microbiology	Inventions	-	1	-	-	-	-	-	-	
			Contributions of Scientists	-	-	-	-	-	-	-	-	-	
u	4 th	4	Ultrastructure of Bacteria	-	will show model & explained	1	Yes	-	will Make them prepare model	1	Yes	-	
			Growth curve	-	-	-	-	-	-	-	-	-	
			Pure culture techniques	-	will be demonstrated, serial dilution, streak & spread plate techniques	1	Yes	-	will Make students practice the pure culture techniques	1	Yes	-	
u	5 th	3	sterilization techniques	-	-	-	-	-	-	-	-	-	
			Simple staining	Nature & types of stains	-	-	-	-	-	-	-	-	
			Acid-fast staining	-	-	-	-	-	-	-	-	-	
			Gram staining	-	-	-	-	-	-	-	-	-	

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SIR C.R. REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE 2021-2022

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					Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date		
July	1 st	1hr	Microbial Species & strains											
			classification of Bacteria	Whittaker's Ep Carl Woese classification	will be shown You tube video	1	Yes	-		student seminar	1	Yes	-	
	2 nd	4hrs	General characters of Viruses	-	-	-	-	-	-	-	-	-	-	-
			Transmission & cultivation of Viruses	-	-	-	-	-	-	-	-	-	-	-
			Structure & properties of TMV	-	-	-	-	-	-	will make students prepare models of TMV	1	Yes	-	-
	3 rd	4hrs	NDV, HIV,	-	will be shown PPTS	1	Yes	-	-	-	-	-	-	-
			T4 phage, Dengue Virus,	-	-	-	-	-	-	Quiz	1	Yes	-	-
			Rabies, SARS co-V,	-	will be shown PPTS	1	Yes	-	-	Preparation of models	1	Yes	-	-
	4 th	4hrs	Penicillin production	-	-	-	-	-	-	-	-	-	-	-

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			Bacterial toxins	Preparation	-	-	-	-	-	-	-	-	-
			TB, Typhoid	- will show	1	-	-	-	Just A Minute on diseases	1	Yes	-	-
July	5 th	4 hrs	Algae, Fungi	-	-	-	-	-	Group discussion	1	Yes	-	-
			Mycoplasma	-	-	-	-	-	-	-	-	-	-
			Cell organelles - ER, Golgi complex	-	will show models	1	Yes	-	student seminar	1	Yes	-	-
Aug	1 st	4 hrs	Mitochondria, Ribosomes,	-	will show YouTube videos	1	Yes	-	Preparation of models	1	Yes	-	-
			Vacuoles, cell cycle	-	-	-	-	-	-	-	-	-	-
			Cell Division (Mitosis)	- will show	1	Yes	-	-	-	-	-	-	-
	2 nd	4 hrs	Meiosis,	-	-	-	-	-	-	-	-	-	-

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			chemical composition & dynamic nature of cell membrane	fluid-mosaic model	Will show video on Singer-Nicolson model	1	Yes	-						
	3rd	3 hrs	I mid-sem examinations											
	4th	4 hrs	cell signalling & cell communication											
			Endocytic pathways											
			DNA - models of replication		Will show YouTube videos	1	Yes	-						
	5th	2 hrs	DNA replication in prokaryotes	diff. enzymes involved & their mode of action	Will show videos	1	Yes	-						
			DNA replication in Eukaryotes											
			Rolling circle replication		Will show video	1	Yes	+						

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Sept	1st	2 hrs	DNA damage & repair	Causes for DNA damage	-	-	-	-	-	-	-	-	
			Lac operon	catabolite operon	Yes	1 hr	Yes	-	quiz	-	-	-	
	2nd	4 hrs	Tryptophan operon	Asabinase operon	Will show video	1 hr	Yes	-	-	-	-	-	
			genome organization in Prokaryotes	-	Will show diagrams	1 hr	Yes	-	-	-	-	-	
			genome organization in Eukaryotes	-	-	-	-	-	-	-	-	-	
	3rd	4 hrs	Genetic code	Box	-	-	-	-	-	-	-	-	
			Prokaryotic transcription	Importance	-	-	-	-	Q & A session	-	-	-	
			Eukaryotic transcription	-	Will show Youtube video	1 hr	Yes	-	-	-	-	-	
	4th	4 hrs	Post transcriptional modifications	-	Will show animation	1 hr	Yes	-	-	-	-	-	

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			Translation process in prokaryotes	- Will	show You take Video.	1hr	Yes	-	-	-	-	-	-
			Translation in Eukaryotes	-	-	+	-	-	-	-	-	-	-
sept.	5 th	3hrs	Post-translational modifications	-	PPT	1hr	Yes	-	-	-	-	-	-
			Pre-final examinations	-	-	-	-	-	-	-	-	-	-

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