21MBL2C5L

Sl. No.



M.Sc. II Semester Degree Examination, Sept./Oct. - 2024 MICROBIOLOGY

DSC: Microbial Genetics and Molecular Cell Biology (NEP)

Time	: 3	Hours Maximum Mar	Maximum Marks: 70	
Note	::	Answer any five of the following questions with question no.1 (Q1) is Comp each question carries equal marks.	ulsory,	
1.	Exp	lain in detail about salient features of Genetic code and Wobble concept.	14	
2.	Des	cribe structure and organization of Bacterial and Eukaryotic genome.	14	
3.	Exp (a) (b)	lain briefly : Biosynthesis of RNA in eukaryotes Repression of lac operon	14	
4.	Exp	lain Central dogma.	14	
5.	Short (a) (b)	rt notes on : Structure of Lambda phage and its life cycle Mitotic recombination in neurospora	14	
6.	Exp	lain in detail : Fungal genetics	14	
7.	Writ (a) (b)	te a note on : Involvement of ribosome in Translation DNA restriction and modification	14	
8.	Writ (a) (b) (c) (d)	Transfection and forced competence Semi conservative replication General characteristics of viral genome Yeast plasmids	14	