CBCS Scheme

USN			15NT63	
	_	Sixth Semester B.E. Degree Examination, June/July 201	8	
		Molecular Biology and Genetic Engineering		
Tim	ne: 3	3 hrs. Max.	Marks: 80	
	N	Note: Answer any FIVE full questions, choosing one full question from each n	nodule.	
		Module-1		
1	a.	Explain briefly about Genes, Chromosomes, Genetic engineering and Molecular genetics. (06 Marks)		
	b.	Explain briefly about experiments of Mc Leod and McCarty and Hershey and c		
		OR		
2	a.	Explain in detail about the difference between the Eukaryotic and Prokaryotic of	cells. (10 Marks)	
	b.	Discuss about Prokaryotic and Eukaryotic genome organization.	(06 Marks)	
		Module-2		
3	a.	A 12 Land 1		
	h	prokaryotes and eukaryotes. With a neat schematic representation discuss about D – loop replication	(08 Marks) . Mention its	
1	<u>.</u>	importance.	(08 Marks)	
	_91	OR	(B)	
4	a. b.	Explain about transcription. Discuss in detail about various stages of transcript Explain the process of replication of linear viral DNA.	ion.(10 Marks) (06 Marks)	
		Module-3		
5	a.	Write a short note on Genetic code, Codon and reading frame. Discuss about post translational modification of proteins.	(08 Marks) (08 Marks)	
	b.		(00 1141115)	
6	•	OR Discuss in detail about Lac Operon.	(08 Marks)	
6	a. b.	Discuss in detail about Trp Operon.	(08 Marks)	
		Module-4		
7	a.	Discuss in detail about DNA cloning and its uses.	(10 Marks)	
	b.	Write a short note on Restriction enzymes.	(06 Marks)	
		ÖR		
8	a.	Explain about Northern Blotting technique. Write a short note on Screening techniques used in genetic engineering.	(10 Marks) (06 Marks)	
	b.		,	
9	_	Module-5 Explain about recombinant vaccine.	(10 Marks)	
	a. b.	NA to the standard management antihodies	(06 Marks)	
		OR		
10	a.	Explain in detail about stem cell therapy and its applications.	(10 Marks)	
	b.	C 411 4 1 1 top make u	(06 Marks)	