Reg. No	.:	ION - B		
Name :				
Time: 3	6B10	Degree (CBCSS – ReCORE COURSE) ZLG: Molecular Bio (2014 Admr) 1) Answer may be write 2) Give illustrations when the course of t	IN ZOOLOGY logy and Bioinform n. Onwards) ten either in English of	atics Max. Marks: 40
-			ON – A r Biology)	
1)	swer any o Explain the Describe th	ne : process of Protein syn e process of DNA repli	thesis.	8 22) Communication distribution of the communication (SE)
3)	swer any o Explain the Make a not	ne: process of gene cloning on Hershey and Char	g. I sig 6 al polyection es	n cwr revient / IRV4
III. An 5) 6) 7) 8)	one Gene What is gene Make a not Cloning ve	one Enzyme hypothesi netic code ? Write any t te on Lac Operon.	s. two characteristics of g	(3×2=6) enetic code.
	Which of th	f the following : ne following is termination	on codon ?	(2×1=2) d) All these
	a) 4	b) UGA rogen bonds between A b) 3 mosomal bacterial DNA b) Plasmid	denine and Thymine is c) 2	
13)	A segment a) Muton	of DNA coding for a po b) Recon	olypeptide is called c) Cistron	d) Intron



SECTION – B (Informatics and Bio Informatics)

	swer any one :		8		
	Explain DNA sequencing and its				
15)	Make a note on various metabolit	e and secondary databases.			
VI. An	swer any one.	(2014 Admo	4		
16)	Describe the role of internet in bid	pinformatics.			
17)	Make a brief note on metabolomic	intions: 11 Answermay be 1.20			
VII. An	swer any three.		(3×2=6)		
	Write any four applications of bioi	nformatics.			
19)					
20)	Note on digital libraries.				
21)	- LOUISTAL V				
22)	Comment on INFLIBNET.				
VIII. An	swer two of the following:		(2×1=2)		
	Which of the following is a protein	sequence data base ?	Mark Call Co.		
	a) PIR	b) NCBI			
	c) PAGE	d) None of these			
24)	Which one of the following is not a tool in proteomics?				
200	a) 2D PAGE	b) Mass Spectrometry			
	c) Gel Electrophoresis	d) EcoCye			
25)	The entire protein complement of an organism is called				
26)	Expand NCBI.				
27)	Match the following:				
	A	В			
	a) Secondary data base	Mass spectroscopy			
	b) Metabolite data base	BLAST			
	c) Metabolomics (1974) soundeb				
	d) Sequence alignment	KEGG 10			
	is called				
	apply (b) Mukan d) Napi	A) Cosmitt — b) Players			