Ro	l IIc	lo. Total No. of Pages: 02	<u>?</u>
To	otal	No. of Questions: 09	
		B.Sc (BT) (Sem 4)	
		GENETIC ENGINEERING	
		Subject Code: BSBT401-18	
		M Code: 77690	
		Date of Examination: 22-12-2022	
		3 Hrs. Max. Marks: 6	0
1. 2. 3.	SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.		
		SECTION-A	
1.	De	ine:	
	a)	Episomes	
	b)	Restriction Endonucleases	
	c)	Transgenic animals	
	d)	Vaccines	
	e)	Chimeric proteins	
	f)	Genetic engineering	
	g)	Arhizogenes	
	h)	Expression vectors	

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i) Plasmids

j) Transduction

SECTION-B

- 2. Write a note on 'Bacterial conjugation for Gene transfer'.
- 3. Discuss production of Chimeric Proteins.
- 4. Write a note on Ti plasmid and its application.
- 5. List therapeutic products by Genetic engineering. Discuss.
- 6. Explain the use of Plant viruses as Episomal Expression vectors.

SECTION-C

- 7. Discuss about physical and other Methods of Gene Transfer to cells.
- 8. What do you know about Site directed Mutagenesisand Protein engineering? Discuss.
- 9. Write about Gene targeting in animals and Plants.

NOTE: Disclosure of Identity by writing Mobile No. or Marking of passing request on any paper of Answer Sheet will lead to UMC against the Student.

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