

CBCS SCHEME

18BBT/BBC31

Third Semester M.Tech. Degree Examination, Dec.2019/Jan.2020 **Biosafety and Bioethics**

Time: 3 hrs.

Max. Marks: 100

ce.	Note: Answer any FIVE full questions, choosing ONE full question from each module.			odule.
naining blank pages. $42+8 = 50$, will be treated as malpractice.			Module-1	
malj	1	a.	Explain the role of science and technology for development of society.	(10 Marks)
las		b.	Describe in detail the benefit sharing policy.	(10 Marks)
eatec				
e tre			OR	
page iII b	2	a.	What are the different public acceptances regarding biotechnology products?	(10 Marks)
ank 0, w		b.	"Biotechnology could able to reduce the hunger" – Justify.	(10 Marks)
g bla = 5			Module 2	
inin 2+8	3	a.	Module-2 Explain in detail the legal and socioeconomic impact of biotechnology.	(10 Mayla)
g, 4		b.	Describe the role of public education regarding new forms of life.	(10 Marks) (10 Marks)
he re en e			2 socials the fole of public education regarding new forms of me.	(10 Marks)
on t vritt			OR	
nes ons v	4	a.	Write a short note on morality and ethics.	(10 Marks)
ss li aatic		b.	Differentiate between bioethics and business ethics.	(10 Marks)
cro r eq				
onal d/o	_		Discuss the athier and Civil Module-3	
diag r an	5	a. h	Discuss the ethical conflicts of biotechnology in detail.	(10 Marks)
aw uato		b.	Enumerate different biosafety levels with respects to biotechnology.	(10 Marks)
ly dr eval			OR	
On completing your answers, compulsorily draw diagonal cross lines on the rem Any revealing of identification, appeal to evaluator and /or equations written eg,	6	a.	Explain the salient features of Cartagena protocol on biosafety.	(10 Marks)
npul		b.	Discuss different containment levels with examples.	(10 Marks)
con n, ap				X
ers,			Module-4	
On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages. Any revealing of identification, appeal to evaluator and /or equations written eg, $42+8=50$, will be	7	a.	What is bioterrorism? Explain convention on biological weapons.	(10 Marks)
our a		b.	Discuss the biosafety regulations with regard the rDNA technology.	(10 Marks)
ig ye			OD	
letir aling	8	a.	Write the guidelines for research in transgenic plants in India.	(10 Mayles)
eve	Ü	b.	Write short notes on: (i) GMP (ii) GLP	(10 Marks) (10 Marks)
n ce			() 521	(10 Marks)
			Module-5	
: te :	9	a.	With a case study discuss the significance of GM food.	(10 Marks)
S.		b.	Define bioremediation. Discuss the methods of bioremediation.	(10 Marks)
rtan				
Important Note : 1. 2.	10	0	OR Evaluin in datail the plant breader's rights	440.75
П	10	a. b.	Explain in detail the plant breeder's rights. Describe in detail the issues of biosafety in clinical trails.	(10 Marks)
		υ.	Describe in detail the issues of blosafety in chilical trails.	(10 Marks)