Total No. of Printed Pages:3

SUBJECT CODE NO:- B-2091 FACULTY OF SCIENCE & TECHNOLOGY

B.Sc. T.Y (Sem-VI)

Examination November/December- 2022
Elective Paper
Zoology Paper-XX
Bio Technology-II

		46	Bio Technology-II	
[Time:	1:30 Hou	rs]	[Max. Ma	rks: 50]
		Please check when	ther you have got the right question paper.	
N.B		 Attempt all qu Illustrate your 	e answer with suitable labeled diagrams.	
Q. 1	A.	Describe contamination. E	Explain sterilization of laboratory in detail.	20
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	A.	What are transgenic anima	al? Explain nuclear transplantation in dolly sheep in detail.	20
Q. 2	A.	Define gene theory? Descri	ribe methods and applications of DNA fingerprinting.	20
	930		OR ST	
	B.	Short notes (any four)		20
	a)	In vitro fertilization	Sept. Sign.	
	b)	Limitations of Cell Cultur		
	c)	Disease detection.		
	d)	Liver Transplantation		
	e)	Application of cell culture		
	(f)	Application of agriculture	biotechnology	
Q. 3	Choose	the correct answer		10
	21. Wh	at do you mean by steriliza	ntion?	
		ification of products	c) Elimination of contamination	
OF		covery of products	d) Formulation of media	
	8	· 8	S.	

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2. Agar agar is added to tissue culture medi	ia as
a) Carbon source	c) Nitrogen source
b) A growth regulator	d) Solidifying agent
3. Transgenic animals those which are	
a) Foreign DNA in all its cell	c) Foreign DNA in some of its cells
b) Foreign RNA in all its cell	d) Both B&C
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4. The most important advantage that retroviral	l vectors offer is their ability to transform their
a) Single stranded RNA genome into a double	
stranded DNA	
b) Double stranded DNA into single stranded	d) None of the above
RNA	
By Part Dy Reg By	
5. Electrophoresis, a technique used in DNA f	ingerprinting helps to separate
a) DNA segments b) Cell from DNA	c) Tissues d) RNA from DNA
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6. Site directed mutagenesis	
a) Oligonucleotide directed mutagenesis	c) directed mutagenesis
b) Nucleotide directed mutagenesis	d) PCR mutagenesis
7.The technology used for production of monoc	clonal antibodies is
a) Mass culture technology	c) Suspension culture
b) Hybridomo technology	d) None of these
8. Which enzyme is used to degrade starchy ma	aterials?
a) Proteases b) Amylases	c) Lipases d) Nucleases

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9. Embryo therapy was devised	d by handy side et al to cure	330
a) Cystic fibrosis	c) Thalassemia	
b) Haemophila	d) Severe combined immunodeficiency disease	
	The Water Filly Balo, But	
10. Which of the method is usef		
a) Ex vivo therapy	c) Antisense therapy	
b) In vivo therapy The state of the state o	d) All of the above	Service of the servic
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