21BTH4C12L

No. of Printed Pages: 1



Sl. No.

M.Sc. IV Semester Degree Examination, October - 2023 BIOTECHNOLOGY

Animal Biotechnology

(NEP)

Time	:::	3 Ho	urs	Maxımu	m Ma	arks :	70
Note	::	(i)	Answer any FIVE of the following questions with	Question	No.	1 (Q.	1)
			compulsory, each question carries equal marks.				
		(ii)	Draw neat diagrams wherever necessary.				
1.			s Animal cell culture ? Explain about cell culture media ation.	a composi	tion a	and	14
2.	(a) (b)		xplain electron microscope and its application. ive a note on detection of contaminations in cell culture	<u>.</u>			7 7
3.	(a) (b)		iscuss cloning of genes into CHO cell lines and its application that is Dolly and explain its method of development?	ions in Bio	phar	ma.	7 7
4.	(a) (b)		xplain adult stem cells and its applications. iscuss different sources of multipotent stem cells.				7 7
5.	(a) (b)		xplain polyclonal and monoclonal antibodies and their ro	ole in diag	nosis	s.	7 7
6.	(a) (b)		xplain liposome meditated gene transfer. iscuss embryo transfer techniques.				7 7
7.	(a) (b)		xplain epigenesis in germ cell development. xplain production of vaccines.				7 7
8.	Explain the followings:						
	(a)		ene transfect ion				5
	(b)		vitro fertilization ematopoietic system				5 4
	(८)	11	chiatopotetic system				

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