This question paper contains 2 printed pages]

NB-28-2023

FACULTY OF SCIENCE

B.Sc. (BT) (Third Year) (Fifth Semester) EXAMINATION NOVEMBER/DECEMBER, 2023

(New Pattern)

BIOTECHNOLOGY

Paper-[DSEBT-4E-II]

(Medical Biotechnology)

(Fri	lay, 8-12-2023)	Time: 10.00 a.m. to 1.00 p.m.
\overline{Time}	—3 Hours	Maximum Marks—75
N.B.	:— (i) All questions are compu	alsory.
	(ii) Draw neat and well lake	pelled diagrams if necessary.
1.65	Explain in detail production and	applications of plant based vaccines. 15
	They they are they are	or the later than the
	(a) Explain the concept of cell	based vaccines and give examples. 8
	(b) Explain the concept of reve	erse vaccinology. 7
2.	Describe in detail production of	nonoclonal antibodies with potential for
	diagnosis.	15
	THE SHOP SHELL SHELL	Or Letter
	(a) Write about diagnosis of di	seases by using ELISA. 8
35	(b) What is western blot and h	now does it work?
	BY BY LET DIE	P.T.O.

WT		(2) NB—2	8—2028
3.	Write	definition, types and properties of stem cells.	15
		Or Lie Committee	
	(a)	How do scaffolding protein's function in cellular communica	tion. 8
	(<i>b</i>)	Explain the concept and advantages of tissue engineering.	7 A. P.
4.	How o	do some viruses cause cancer? Explain with examples.	15
		AND THE PERSON OF THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PERSON A	
	(a)	Define metastasis and explain steps of metastasis.	8
	(b)	Write symptoms and treatment of AIDS.	7007
5.70	Write	short notes on (any three):	3×5=15
	(a)	Apoptosis	
	(<i>b</i>)	Oncogenes	
	(c)	Transfusion of immuno-competent cells	
	(<i>d</i>)	Symptoms of SCID in a child	
	(e)	Defects in complement system.	