No. of Printed Pages: 03	Roll No
--------------------------	---------

D-62

B. Tech. EXAMINATION, May 2017

(Fourth Semester)
(B. Scheme) (Main & Re-appear)

(BT)

BT-204-B

IMMUNOLOGY

Time: 3 Hours [Maximum Marks: 75]

Before answering the question-paper candidates should ensure that they have been supplied to correct and complete question-paper. No complaint, in this regard, will be entertained after the examination.

Note: Attempt *Five* questions in all, selecting at least *one* question from each Unit.

Unit I

Discuss in detail different types of cells in our body that are involved in adaptive immune response.

(2-29) M-D-62

P.T.O.

2. Wr	ite short notes on the following:		Unit III
(i) (ii) (iii)		5. (a) (b)	assays and how do they differ from radioimmunoassay. 10
	Unit II	6. (a)	Draw the alternate pathway of complement system. 7
(a) (b)	and discuss their functions. 8	(b)	
	antibodies by hybridoma technology in detail. 7	7. (a)	Unit IV Discuss in detail Class I Hypersensitivity.
(a) (b)	generation of Ab diversity. 5	(b)	10
	takes place ? 5	8. (a)	Differentiate between live attenuated and killed vaccines.
(c)	What is Major Histocompatibility Complex ? Briefly describe different MHC molecules. 5	(b) (c)	What are the conjugate vaccines and what are their advantages? 4
M-D-62	2	(2-29) N	M-D-62 3 60