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(Following Paper ID and Reth No. to be filled in your Answer Books)		
Paper ID: 154414 Roll No		
в.тесн.		
Theory Examination (Semester-IV) 2015-16		
IMMUNOLOGY		
Time: 3 Hours Max. Marks: 100		
Section-A		
Q1. Attempt all parts. All parts carry equal marks. Write answer of each part in short. (2×10=20)		
(a) Define immunogenicity and Antigenecity.		
(b) Differentiate between Cytotoxic T-cells and Helper T-cells.		
(c) Elaborate the principle of Cross Reactivity.		
(d) Differentiate between Hepten and Adjuvant.		
(e) What is central immune tolerance?		
(1) P.T.O.		
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(g) What are the Thymus dependent and thymus independent antigen? Explain with suitable example.

Expalain with diagram the process of thymic education.

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Section-C

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Note: Attempt any two questions from this section.
(2×15=30)

Q3. Write down the short notes on the following-

Principle and application of ELISA

(a)

(b) Respiratory Burst

(c) Delayed type hyper sensitivity

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Q4.	Firstranker's choice www.FirstRanke Explain the Exogenous and Endogenous pathway of anti-com gen processing.
Q5.	
QJ.	eases? How HIV defeats our immune system? Explain In detail.
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