[4]

[5]

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT TEST-3 EXAMINATION- JUNE -2016

M.Tech 2 nd Semester	
COURSE CODE: 14M11BT212	MAX. MARKS: 35
COURSE NAME: Immunotechnology	
COURSE CREDITS: 3	MAX. TIME: 2 HRS
Note: All questions are compulsory. Carrying of mobile phone during examinations will be	
treated as case of unfair means.	
Q1. Give detailed description of MHC-I and MHC-II, with suitable diag	
Q2. What do you understand by cross-presentation of antigen? W mechanisms are for cross presentation?	hat the various potential [3]
Q3. How would you experimentally demonstrate existence of two presentation pathways?	antigen processing and [3]
Q4. What are Murine MAbs and Chimeric Antibodies? Illustration therapeutics, explain why humanizing of antibodies is essential and adversariance.	
Q5. Describe Immunoassays with rolling circle DNA amplification. applications.	Discuss its principle and [3]
Q6. What is the role of B cell in Immune Response against a potential Describe the two phases in preparation of in-vitro immune response candidates.	
Q7. Explain Immunospot array assay on a chip (ISAAC), how is it bette	er than ELISPOT, [4]
Q8. Write the importance of electrochemical Immunosensors in early cl the merits and demerits of such immunosensors over conventional immunosensors.	
Q9. List and describe important parameters which should be con	sidered for a successful

Q10. What is the importance of immunologic tolerance? Explain the mechanisms of

Monoclonal Antibody Therapy?

immunologic tolerance.