Rakul Srivaslava

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## JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

## TEST -1 EXAMINATION- September 2016

## B.Tech VII Semester

COURSE CODE: 14B1WBT736	N	MAX. MARKS: 15
COURSE NAME: Antibody Enginee	ring Technologies	
COURSE CREDITS: 03		MAX. TIME: 1Hr
Note: All questions are compulsory.	Carrying of mobile phone during exam	inations will be treated o
case of unfair means.		
Q1. Match the following		[3] .
Monoclonal antibody	Mechanism of Action on Tumor Ce	<u>11</u>
(A) Cetuximab	(i) Induction of ADCC	
(B) Rituximab	(ii) Immunostimulation	
(C) Anti-PD-LI mab	(iii) Inhibition of Growth factor	
(D) Mab Avastin	(iv) Induction of Apoptosis	
(E) Anti-CD20-mab Rituximab	(v) Inhibition of Angiogenesis	
(F) Trastuzumab-emtansine	(vi) Drug, toxin (or) radio-isotyp	pe mediated therapy
	nnces under which an antibody-drug co	
crossfire effect can be beneficial or d	errimentai .	[3]
Q3. Differentiate between the following.	ng, illustrating their applications:  GDEPT and ADI	[4] FPT
ii.		Cleavable Linkers
Q4. What are the potential obstacles t	to a successful monoclonal antibody ca	ncer therapy? [3]
Q5. Why is humanizing of monoclon	al antibodies required? What demerits	it overcomes in

comparison to mouse monoclonal antibodies.