	Registration no:													
	Total number of pa	ages	: 02	2						210			210	M.Tech BTPC202
2 <sup>nd</sup> Semester Regular/Back Examination-2015-16 Advanced Bioinformatics Q Code: W758													D11 0202	
	210 210		21				arks 3 Ho			210			210	210
	Answer Ques The	stion I e figu					_	_		-			the	rest.
1)	Answer the following qu	uestio	ns											[2X10]
	a) What is Prosite? b) Differentiate betwee c) What is the significat d) What do you mean e) What is threading? f) What is PDB?	ance c	of ga	rot a		EMBI		?		210			210	210
	g)Explain Pfam h) What is gi number? i) Explain Clustal W. j) Name any two seco		²¹		e pre		on sof	ítware	es.	210			210	210
2)	a) Briefly write about d	lata sı			-						ls of	vario	<b>DUS</b> 210	<b>[5]</b> <sup>210</sup>
	b) What are substitution	on mat	trixes	s? W	hat a	are th	e use	es of	these	e mat	rixes	?		[5]
3)	Explain comparative modeling approaches for protein. Describe the steps of homology modeling approach.									[10]				
4)	Describe different steps	s of F	AST.	A alg	gorith	m? F	low is	s it di	ffere	nt fro	m BL	AST	<b>?</b> <sup>210</sup>	[10]10
5)	a) Explain Markov models and its application in bioinformatics. b) State the significance of Boot strap analysis.								[5] [5]					
6)	<ul><li>a) Differentiate between method.</li><li>b) Explain different clusters.</li></ul>			·		·						kely	hood	[5] [5] <sup>210</sup>

b) Explains  B) Write sho a) ExPas b) Genba	sy	210	210	210	210	[2.5
c) Genet	ic algorithm sequence databa	ase 210	210	210	210	
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