Q	P Code: 101109 Reg. No.:
PG Degree Supplementary Examinations in Microbiology (MD) October 2018	
	Paper I – General Microbiology and Immunology
Tir	me: 3 hrs Max marks:100
	Answer all questionsDraw diagrams wherever necessary
Essay: (20)	
1.	Define toxin. Discuss the mechanisms of action of toxins produced by bacteria. Add a note on therapeutic uses of bacterial toxins
Short essays: (8x10=80)	
2.	Enzymatic mechanism of antibiotic resistance.
3.	Quality assurance & quality control in microbiology
4.	Antigen presenting cells.
5.	Immunologic basis of graft rejection.
6.	Type II hypersensitivity reaction
7.	Tumour antigens
8.	Organization of central sterile supply department.
9.	Genetic engineering.
