

gradulostic - Oue Releases							RD19MSC030
Roll No:							
				10			Mac
Total Number of Pages: 1	ED DE		AR-		TION	C NOW/DEC 2010	M.SC
M.Sc 1 ST SEMEST							7-20
Time: 3 Hours	SPC103	-WHC100	lology	& IIII	IIIuIIOI	Max Max	arke 80
	ires in tl	ne right	hand n	naroin	indica	ate marks.	arks. 60
					marci	ate marks.	
O 1 Angwer any four of the fo	llowing		CTION	A			[4 V4 –16]
Q.1 Answer any four of the following: a. Structure of TMV							[4 X4 = 16]
b. Cell wall of bacteria							
c . Economic importance of (Svanoba	ctoria					
d. What is gene transduction	•	cieria					
e . What is difference between		and acc	nnired	immıı	nity		
f . Acquired immunodeficier			quired	11111110	illity		
1 . 1	<i>y</i> 5,110	OR					
2. Answer all questions from t	he follo						$[2 \times 8 = 16]$
a. T4 Bacteriophase		υ					
b. Gram negative bacteria							
c. What are yeasts used for ?							
d. Why do we need to preserv	ve food	?					
e. What is Metagenomic anal	ysis?						
f. How does a viral vector wo	ork?						
g. What type of immunity lea	ds to me	emory ?)				
h. What is acute Glomerulone	ephritis	?					
		S	ECTI	ON-B			
3. Answer all Questions:							[16 x4 = 64]
a. Write an essay on Lytic cycle in phage lamda?							
			OR				
b. Describe the structure of <i>E</i>	.coli and	l explaii	n it ?				
4 .	, 0						
a. Write an essay on Actinomy	cetes !		OR				
h How antibiotics are produce	d by for	mantati		hnolo	or, 9 1	Evalsia	
b. How antibiotics are produce	d by lei	шешан	on tech	moro	gy : 1	Ехріані	
5.							
a. Describe in detail the mech	anism o	f genetic	recon	nbinat	ion in	T4 Bacteriophase	?
			OR				
b. How are viruses used in Ge	netic Er	igineerii	ng?Ex	kplain			
a. Explain the structure of the	deferent	types o	f Immi	modle	hulina	s met with in the h	uman evetem
a. Dapiam me su ucture of the	ucicitill	types 0.		mogic	JUUIIIIS	5 met with mi the n	uman system.

OR
b. What are the functions of major histocompatibility complexes in immune system?