This questi	on pape	r contains 4	printed pag	es]
				Your Roll No
932				
		B.Sc.	(Hons.)/I	С
		BOTAN	Y -⊸Paper II	
(Micro	o-biology	, Mycology.	Phytopatho	ology and Lichens)
	(A	dmission of I	2004 and c	onwards)
Time: 3 F	Hours			Maximum Marks: 38
(Write your	Roll No.	on the top imm	ediately on rec	cipt of this question paper.)
	I	Attempt Five	questions	in all.
		Q. No. 1	is compulse	ory.
i. (a)	Fill in	the blanks:		8×1=8
	( <i>î</i> )	Lichens are o	omposite th	nallophytes containing an
		alga and a	•••••	··· ·
	(ii)	Fruiting body (	of Agaricales	is called
	(iii)	Red rot of sug	garcane is ca	used by
	(iv)	While fungi	are mostly	eukaryotes, the bacteria
		are		

		(v)	Pycnidial	stage	of	Puccinia	develop	os on
	٠							
		(vi)	Bacterial ce	ell wall i	is ma	de up of		
		(vii)		is	the s	genetic mate	erial of Ti	MV.
		(viii)	Smut of wh	neat is c	ause	d by	·	··· •
	( <i>b</i> )	Name	the organis	sm used	in:	-		2×1=2
		(1)	Baking inc	lustry				
	-	(ii)	Antibiotics					
2	Give	a brief	account of n	norpholo	gical	I forms and	internal st	ructure
	of lic	hen th	allus.					7
3.	Draw	well la	belled diagra	ams of a	ny <i>t</i> и	vo of the fol	lowing . 2	:×3½=7
	( <i>i</i> )	E.M.	of bacterial	cell				
	(ii)	V.S.	apothecium	of cup	fung	ji		
	(iii)	Aeci	dial cup of	Puccini	a.			

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4.	(a) .	Discuss the structure of T2 virus.	31/2
	(b)	Give the causal organism, symptoms and control	l of any
		one of the following disease:	31/2
		(i) White rust of crucifers	
		(ii) Late blight of Potato.	
5.	Distir	nguish between any two of the following:	2×3½=7
	(i)	Archaebacteria and Eubacteria	
	(ii)	Gram positive bacteria and Gram	negative
		bacteria	
	(iii)	Teliosorus and uredosorus.	
6.	Expl	lain briefly :	
	(i)	Structure of sporangium of Stemonites.	31/2

(ii) Cleistothecium of Erysiphe.

31/2

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7.	W/rite	chart	notes	OΠ	•
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(i)	Transmission of plant viruses	2
(ii)	Virsid	า

(iii) Sexual reproduction in Rhizopus. 3