	(d)	Chemical structures of nucleotides of DNA.	4	
	(e)	Differences between mono – saccharides disaccharides.	and	
	(f)	Secondary structure of proteins.	4	
6.	Des	cribe in detail different measures of central tende	ency.	
		OR		
	Des	cribe in detail graphical presentation of data.	12	
7.	(a)	Discuss in brief components of computer syste	em.	
	(b)	What are output devices ? Explain in brief.	4	
	(c)	Explain how document is created, saved and cle in computer system.		
		OR		
	(d)	Give the applications of internet.	4	*
	(e)	Discuss in brief primary memory of computer.		
	(f)	Differentiate between RAM and ROM.	4	
			*	
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	(Mi	crob	iolog	y, Biochemi Compu		statistics a	nd	
Tin	ne : Ti	nree l	Hour	s]	[M:	aximum Ma	rks : 80	
Note :-			(i)	All question	ns are cor	s are compulsory.		
			(ii)	Draw neat a		ed diagrams		
1.	(A)	Fill	in th	e blanks:				
		(i)		perate phage iral replicatio		olved in	_ cycle	
		(ii)	Inoc	culating need	le is steri	lized by a pr	ocess of	
		(iii)	Lon	g form of Hl	EPA filte	r is		
		(iv)	The	nitrogenous l	oase	is absent	in DNA. 2	
	(B)	Cho	ose t	the correct al	ternative	:		
		(i)		is the b	iofertiliza	er organism.		
			(a)	Aspergillus				
			(b)	Staphylococ	ccus			
			(c)	Rhizobium				
			(d)	Penicillium				
UB	UBS-50066			1			(Contd.)	

B.Sc. (Part-I) Semester-II Examination 2S: MICROBIOLOGY

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(ii) is used for gaseous sterilization	n. ·	Describe the mode of action and applications of following antimicrobial agents:			
(a) Ethylene oxide	(4)		4		
(b) Methylene oxide		A CONTRACTOR OF THE PROPERTY OF THE PARTY OF	4.5.0		
(c) Carbon monoxide		(b) Heavy metals	4		
(d) Carbon dioxide		(c) Detergents.	4		
(iii) Peptide bond is present in		OR			
(a) Carbohydrates		(d) Alcohols	4		
(b) Lipids		(e) Chlorine	4		
(c) Proteins		N' Company of the Com	4		
(d) Nucleic acids		(f) Penicillin	7		
(iv) AMP is the nucleotide of					
(a) DNA		4. Describe following:			
(b) RNA		(a) Biodegradation	4-		
(c) Both DNA and RNA		(b) Biopesticides	4		
(d) Neither DNA nor RNA	2	(c) Fermented foods	4		
(C) Answer in one sentence each.	•	OR OR			
Define:			4		
(i) Plasmoptysis					
(ii) Oligodynamic action		(e) Vaccines	4		
(iii) Germicidal agent	94	(f) Antibiotics.	4		
(iv) Essential amino acids.	4				
		5. Explain:			
<ol><li>Describe in detail structure of viruses.</li></ol>	12	(a) Peptide bond and peptides.	4		
OR		(b) Structure of nitrogenous bases.	4		
Describe in detail viral replication by lytic cycle.	12		4		
		OR			
UBS50066 2 (Cc	ontd.)	UBS-50066 3 (Co	ontd.)		