Enrollment 1	Enrollment No: Exam Seat No: C.U.SHAH UNIVERSITY					
	Winter	Examination-2	2015			
•	e : Microbial Physiolog e :_4LS02MBO1	y & Biochemistry	Branch: B.Sc (Micro)			
Semester: 2 Instructions:	Date: 23/11/2015	Time: 10:30 To 1:30	Marks: 70			
(1) Use of(2) Instruction(3) Draw	actions written on main a	tor & any other electronic inswer book are strictly to be ses (if necessary) at right plad.	be obeyed.			
Att	tempt the following que	stions:	(1			
,	fine pure culture					

Q-1 4) Draw structure of glucose b) **c)** Define Enzymes What is continuous culture? d) Draw structure of purine e) Define sporulation f) Draw structure of T-rna g) Give one example enzyme belongs to ligases h) Define lipids i) What is synchronous culture? j) Draw structure of glycine k) What is titrartion curve? l) m) Define central dogma of life Draw structure of DNA

Attempt any four questions from Q-2 to Q-8

Q-2		Attempt all questions	(14)
	a)	Explain the techniques used for pure culture preparation	(7)
	b)	Explain process of reproduction in bacteria	(7)
Q-3		Attempt all questions	(14)
	a)	Explain classification of carbohydrates with examples & structures	(7)
	b)	Write a short note on non reducing sugar with suitable example	(7)
Q-4		Attempt all questions	
	a)	Explain phospholipids	(7)
	b)	Explain nomenclature & characteristics of fatty acids	(7)



Q-5		Attempt all questions	(14)
	a)	Give in detail information about IUB classification of enzymes	(7)
	b)	Explain mechanism of enzyme action	(7)
Q-6		Attempt all questions	(14)
	a)	Explain Watson & grick model of DNA	(7)
	b)	What is denaturation & annealing of DNA	(7)
Q-7		Attempt all questions	(14)
	a)	Draw figures of any five amino acids	(7)
	b)	Explain peptide bond	(7)
Q-8		Attempt all questions	(14)
-	a)	Derive MM eqaution	(7)
	b)	Explain mucopolysaccharides	(7)

