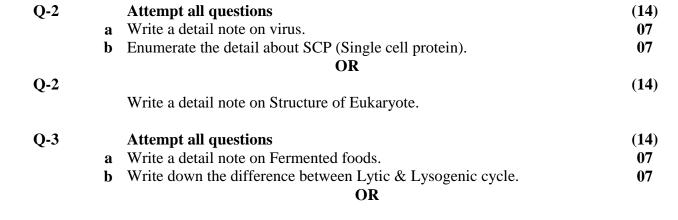
Enrollment N	C. U. SHAH UNIVE			
	Winter Examination	1-2022		
Subject Nam	e: Principles of Microbiology			
Subject Code	e: 5SC01PMB1 Branch:	Branch: M.Sc. (Microbiology)		
Semester: 1	Date: 02/01/2023 Time: 1	1:00 To 02:00 M	Iarks : 70	
(2) Instru (3) Draw	of Programmable calculator and any other electrons written on main answer book are strictly neat diagrams and figures (if necessary) at right me suitable data if needed. SECTION – I Attempt the Following questions	to be obeyed.	(07)	
b. c.	is an applied science that process of fermentation and its practical include the selection of fermenting yeast their use in brewing, wine making, ferment of other fermented foods. Fermented food healthy to eat. T/F Antonie van Leeuwenhoek was the first persmicroscope & discovered the microbial wor	l uses. Common to and bacteria species ing milk, and the ma son who invented the d. T/F	opics and king 01	
e. f.	Who disprove spontaneous generation First time What food contain yeast? Viroid affect humans. YES/NO Retro virus is DNA Virus . T/F		01 01 01 01	





Q-3		Attempt all questions	(14)
	a	Write a brief note on bioluminescence.	07
	b	Write a detail about Microbes in composting.	07
		SECTION – II	
Q-4		Attempt the Following questions	(07)
	a.	Plasmid is Larger than bacterial chromosome. T/F	01
	b.	Which process used to treat contaminated media, including water, soil and subsurface material, by altering environmental conditions to stimulate growth of microorganisms and degrade the target pollutants?	01
	c.	Head Neck Collar Sheath Tail fiber Base plate Identify the microorganism?	01
	d.	Kefir & Koumis are examples of fermented milk products. T/F	01
		Psychrophilic organism that needs a high-pressure environment in order to grow. T/F	01
	f.	What is akinete?	01
	g.	are microorganisms with optimal growth temperatures between 60 and 108 degrees Celsius, isolated from a number of marine and terrestrial geothermally-heated habitats.	01
Q-5		Attempt all questions	(14)
	a	Give the detail about Bioleaching.	07
	b	Write a detail about Physical agent of Sterilization. OR	07
Q-5		Attempt all questions	(14)
	a	Write a brief note on Binomial Nomenclature	07
	b	Write a note on the contributions of any two Scientists to the field of Microbiology	07
Q-6		Write a detail about Microbial interactions.	(14)
0.6		OR	(4 A)
Q-6	_	Attempt all Questions Write a detail note on Microbes in other systems conditions. Deep accomp	(14)
	a	Write a detail note on Microbes in other extreme conditions – Deep ocean & Space.	07
	b	Write a detail note on Biofilm.	07

