## C.U.SHAH UNIVERSITY

## **Summer Examination-2016**

**Subject Name: Microbial Agents of Disease** 

Subject Code: 4SC02MAD1/4LS02MB02/4LS02MB03 Branch: B.Sc. (Microbiology)

Semester: 2 Date: 17/05/2016 Time: 10:30 To 01:30 Marks: 70

## **Instructions:**

- (1) Use of Programmable calculator & any other electronic instrument is prohibited.
- (2) Instructions written on main answer book are strictly to be obeyed.
- (3) Draw neat diagrams and figures (if necessary) at right places.
- (4) Assume suitable data if needed.

Q-1		Attempt the following questions:	(14)
	a)	Define Coagulase test.	1
	<b>b</b> )	Give a characteristic of a CNS Bacteria.	1
	<b>c</b> )	Give examples of Staphylococcus species causing UTI infection.	1
	<b>d</b> )	Name a bacteria having characteristic of golden yellow color colony.	1
	<b>e</b> )	What is the response of streptococcus to catalase test?	1
	<b>f</b> )	Which type of hemolysis is caused by <i>S. pneumonia</i> species?	1
	g)	What is dimorphism in Fungi?	1
	<b>h</b> )	What is capsid?	1
	i)	Describe dependency of Viruses for survival and multiplication	1
	<b>j</b> )	Name virus causing infection in adenoidal tissue and named after it.	1
	<b>k</b> )	What is therapeutic agent for infection of <i>E. histolytica</i> .	1
	1)	What is the gram's staining result of <i>Neisseria meningitis</i> ?	1
	m)	Give name of any one anaerobic pathogens?	1
	n)	Which disease is caused by <i>Clostridium tetani</i> ?	1
Atten	npt any	four questions from Q-2 to Q-8	
Q-2	_ `		(14)
		Write a note on any two viruses as agent of diseases.	
Q-3		Attempt all questions	(14)
	A	Write on <i>Candida</i> pathogen infections, morphology, Epidemiology.	7
	В	Write a note on <i>Histoplasma capsulatum</i> . Explain in detail.	7
Q-4		Attempt all questions	(14)
Q- <b>-</b>	$\mathbf{A}$	Write Pathology, Morphology, Prevention and Diagnosis of <i>Streptococcus</i>	7
	<del></del>	pneumonia	-
	В	Write Pathology, Morphology, Prevention, therapy and epidemiology of	7
		Staphylococcus	





Q-5		Attempt all questions	(14)
	$\mathbf{A}$	Write a note on Toxins of Mycobacterium and Streptococcus sp.	7
	В	Write a note on Plasmodium Occurrence, Epidemiology, Diagnosis and therapy.	7
Q-6			(14)
		Write a note on Neisseria gonorrhoeae and Neisseria meningitides.	
Q-7		Attempt all questions	(14)
	$\mathbf{A}$	Describe Blastomycosis: Paracoccidioides brasiliensis, Blastomyces dermatitidis.	7
	В	Explain various modes of transmission of diseases.	7
Q-8		Attempt all questions	(14)
	$\mathbf{A}$	Write a note on Pathogenicity of bacteria.	7
	В	Write in detail the diagnosis of any three pathogenic bacteria.	7

