

Enrollment No: _____

Exam Seat No: _____

C.U.SHAH UNIVERSITY

Summer Examination-2017

Subject Name: Microbial agents of disease

Subject Code: 4LS02MBO2/4LS02MBO3/4SC02MAD1 Branch: B.Sc. (Microbiology)

Semester: 2

Date: 16/05/2017

Time: 02:00 To 05:00

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 Infection.	1
	b) Explain characteristic of a CNS Bacteria.	1
	c) Give example of bacteria which cause UTI infection.	1
	d) Enlist the name of bacteria which having golden yellow color colony.	1
	e) What is the response of streptococcus to catalase test?	1
	f) Which type of hemolysis is caused by <i>S. pneumonia</i> species?	1
	g) What is dimorphism in Fungi?	1
	h) What is capsid?	1
	i) Describe dependency of Viruses for survival and multiplication?	1
	j) Name virus causing infection in adenoidal tissue and named after it.	1
	k) What is therapeutic agent for infection of <i>E. histolytica</i> .	1
	l) 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

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

Q-2	Explain in details of any two viruses as agent of diseases.	(14)
Q-3	Attempt all questions	(14)
A	Write on <i>Candida</i> pathogen infections, morphology, Epidemiology.	7
B	Write a note on <i>Histoplasma capsulatum</i> .	7
Q-4	Attempt all questions	(14)
A	Write Pathology, Morphology, Prevention and Diagnosis of <i>Streptococcus pneumonia</i>	7
B	Write Pathology, replication and Prevention of Adenovirus	7



Q-5	Attempt all questions	(14)
A	Write a note on Toxins of <i>Mycobacterium</i> and <i>Streptococcus sp.</i>	7
B	Write a note on Plasmodium Occurrence, Epidemiology, Diagnosis and therapy.	7
Q-6	Write a note on <i>Ringworm</i> .	(14)
Q-7	Attempt all questions	(14)
A	Write Pathology, replication and Prevention of Retrovirus	7
B	Explain various modes of transmission of diseases.	7
Q-8	Attempt all questions	(14)
A	Write a note on Pathogenicity of bacteria.	7
B	Write a note on Malarial parasite.	7

