

Enrollment No: _____

Exam Seat No: _____

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) | Give a characteristic of a CNS Bacteria. | 1 |
| c) | Give examples of Staphylococcus species causing UTI infection. | 1 |
| d) | Name a bacteria having characteristic of 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 (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 |
| B | Write a note on <i>Histoplasma capsulatum</i> . Explain in detail. | 7 |

Q-4 Attempt all questions (14)

- | | | |
|---|--|---|
| A | Write Pathology, Morphology, Prevention and Diagnosis of <i>Streptococcus pneumonia</i> | 7 |
| B | Write Pathology, Morphology, Prevention, therapy and epidemiology of <i>Staphylococcus</i> | 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	Attempt all questions	(14)
	Write a note on <i>Neisseria gonorrhoeae</i> and <i>Neisseria meningitidis</i> .	
Q-7	Attempt all questions	(14)
A	Describe Blastomycosis: <i>Paracoccidioides brasiliensis</i> , <i>Blastomyces dermatitidis</i> .	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 in detail the diagnosis of any three pathogenic bacteria.	7

