

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.
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**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 |



