

C.U.SHAH UNIVERSITY

Summer Examination-2019

Subject Name: Medical Microbiology

Subject Code: 4SC06MEM1

Branch: B.Sc. (Microbiology)

Semester: 6

Date: 16/04/2019

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 pathogenicity
- b) Define virulence
- c) What do you understand by opportunistic infections?
- d) Define antigen
- e) Define toxigenicity
- f) Name the causative agent of Kala-azar
- g) Expand ELISA
- h) Expand AIDS
- i) What do you understand by nosocomial infections?
- j) Cholera is a protozoal disease. True/ False
- k) Tetanus is caused by helminth. True/False
- l) Name the causative agent of Athlete's foot
- m) Name the causative agent of Japanese Encephalitis
- n) Name the causative agent of Chikungunya

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

Q-2 Attempt all questions (14)

- a) Discuss the mode of action of Amantadine and Acyclovir (7)
- b) Discuss any two gastrointestinal diseases in detail (7)

Q-3 Attempt all questions (14)

- a) Write the causative agent, symptoms, mode of transmission, prevention and precautions for the following diseases: (7)
 - i) Swine flu
 - ii) Ebola
- b) Discuss the normal microflora of skin and GIT. (7)

Q-4 Attempt all questions (14)

- a) Write a note on immunofluorescence (7)
- b) PCR is one of the most efficient methods to detect HIV. Discuss the principle of PCR (7)



