

M. Sc. (Medical Biotechnology) Sem-II (Choice Based Credit System) :
SUMMER - 2019
SUBJECT: INFECTIOUS DISEASES

Day: Tuesday
Date: 02/04/2019

Time: 10.00 AM TO 01.00 PM
Max. Marks: 60

S-2019-1506

N.B.:

- 1) **Q. No.1 and Q. No.5 are COMPULSORY.** Out of the remaining questions attempt **ANY TWO** questions from each section.
- 2) Answers should be written in **SAME** answer book.
- 3) Figures to the right indicate **FULL** marks.

SECTION-I

- Q.1** Answer **ANY FIVE** of the following: (10)
- a) Elek's gel precipitation test
 - b) Diene's phenomenon
 - c) BCG vaccine
 - d) Widal test
 - e) Toxic shock syndrome
 - f) Weil-Felix reaction
- Q.2** Answer the following questions: (10)
- a) Laboratory diagnosis of Leptospirosis.
 - b) Laboratory diagnosis of meningococcal meningitis.
- Q.3** Discuss the morphology, pathogenicity and laboratory diagnosis of Tuberculosis. (10)
- Q.4** Answer the following questions: (10)
- a) Pseudomonas aeruginosa.
 - b) Laboratory diagnosis of Tetanus.

SECTION-II

- Q.5** Answer **ANY FIVE** of the following: (10)
- a) Hydatid cyst
 - b) Mycetoma
 - c) Structure of Rabies virus
 - d) MMR vaccine
 - e) Rhinosporidiosis
 - f) Life cycle of Trichuris trichiura
- Q.6** Answer the following questions: (10)
- a) Pathogenicity and Laboratory diagnosis of cryptococcosis.
 - b) Pathogenicity and Laboratory diagnosis of HIV infection.
- Q.7** Describe the morphology, life cycle, pathogenicity of Ancylostoma duodenale and add a note on laboratory diagnosis of Ancylostomiasis. (10)
- Q.8** Answer the following questions: (10)
- a) Pathogenicity and laboratory diagnosis of Kala-azar.
 - b) Pathogenicity and laboratory diagnosis of Amoebic dysentery .