

M. Sc. (Medical Biotechnology) Sem-II (Choice Based Credit System) :
WINTER - 2018

SUBJECT : INFECTIOUS DISEASES

Day : Monday
Date : 29/10/2018

W-2018-1297

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

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 to both the sections should be written in **SEPARATE** answer books.
- 3) Figures to the right indicate **FULL** marks.

SECTION – I

- Q.1** Answer **ANY FIVE** of the following: [10]
- a) Classification of streptococci
 - b) Stalactite growth
 - c) Coagulase test
 - d) Cholera red reaction
 - e) Botulism
 - f) TRIC agents
- Q.2** Answer the following questions: [10]
- a) Give laboratory diagnosis of leprosy.
 - b) Write serodiagnosis of syphilis.
- Q.3** Give morphology, pathogenesis and laboratory diagnosis of diphtheria. [10]
- Q.4** Answer the following questions: [10]
- a) Describe laboratory diagnosis of Gastroenteritis.
 - b) Give diagnosis of Bacillary dysentery.

SECTION – II

- Q.5** Answer **ANY FIVE** of the following: [10]
- a) Mycetoma
 - b) Polio vaccine
 - c) *Cystecercus bovis*
 - d) *Trichuris trichura*
 - e) Quellung reaction
- Q.6** Answer the following questions: [10]
- a) Laboratory diagnosis of *Echinococcus granulosus*.
 - b) Write laboratory diagnosis of dermatophytosis.
- Q.7** Describe morphology, host range, pathogenicity and laboratory diagnosis of influenza. [10]
- Q.8** Answer the following questions: [10]
- a) Discuss pathogenicity and laboratory diagnosis of Giardiasis.
 - b) Write laboratory diagnosis of filariasis.

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