

MASTER OF SCIENCE (MEDICAL BIOTECHNOLOGY) (CBCS-2018 COURSE)
M.Sc. (Medical Biotechnology) Sem-III : WINTER :- 2021
SUBJECT: INFECTIOUS DISEASES

Day : Saturday
Date 29-01-2022

W-20236-2021

Time : 10:00 AM-01:00 PM
Max. Marks: 60

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Answer to both the sections should be written in **SAME** answer book.

SECTION-I

Q.1 Attempt **ANY FIVE** of the following: **(10)**

- a) Mention the virulence factors of *Streptococcus pyogenes*.
- b) Enlist various Rickettsial infections and mention the diagnostic test used for it.
- c) What is Cholera red reaction?
- d) Discuss the pathogenesis of *Pseudomonas aeruginosa*.
- e) Enumerate the clinical symptoms of Diphtheria.
- f) What are the symptoms of Enteric fever?

Q.2 Attempt **ANY TWO** of the following: **(10)**

- a) Discuss the pathogenesis of Meningococcal meningitis
- b) Discuss the laboratory diagnosis of UTI.
- c) Describe the pathogenesis and laboratory diagnosis of Tetanus.

Q.3 Write short notes on **ANY TWO** of the following : **(10)**

- a) Laboratory diagnosis of Whooping cough.
- b) Laboratory diagnosis of Tuberculosis.
- c) Leptospirosis.

SECTION-II

Q.4 Attempt **ANY FIVE** of the following: **(10)**

- a) Mention the structure and morphology of HIV.
- b) Mention the life cycle of *Trichuris trichura*.
- c) What is Rhinosporidiosis?
- d) Discuss the laboratory diagnosis of Influenza.
- e) What is Hydatid disease?
- f) What is Dracunculosis?

Q.5 Attempt **ANY TWO** of the following: **(10)**

- a) Describe pathogenesis and laboratory diagnosis of Candidiasis.
- b) Describe pathogenesis and laboratory diagnosis of Ascariasis.
- c) Mention the pathogenesis and laboratory diagnosis of Filariasis.

Q.6 Write short notes on **ANY TWO** of the following : **(10)**

- a) Pathogenicity and laboratory diagnosis of Polio.
- b) Pathogenicity and laboratory diagnosis of Amoebic dysentery.
- c) Superficial mycoses.