

Seat No: _____

Enrollment No: _____

PARUL UNIVERSITY
FACULTY OF MEDICINE
M.B.B.S MARCH 2021 EXAMINATION

Year: 2
Subject Code: 19100203
Subject Name: Microbiology I

Date: 24-03-2021
Time: 10:30 am to 12:30 pm
Total Marks: 40

Instructions:

- (1) Answers should be brief and to the point.
- (2) Each section should be written in separate answer books.
- (3) Draw diagrams and flow charts whenever necessary.

SECTION – A

- Q.1. Write Any **TWO** out of **THREE**. (2x5=10)
- a. Define Sterilization. Write in detail about moist heat sterilization above 100° C.
 - b. Define Precipitation reaction. Write different types of precipitation reactions with examples.
 - c. Structure and Function of Bacterial flagella.

- Q.2. Write Any **TWO** out of **THREE**. (2x3=06)
- a. Tuberculin Test (Mantoux Test)
 - b. Anaphylaxis / Atopy
 - c. ELISA (Enzyme Linked Immuno-sorbent Assay).

SECTION – B

- Q.3. Write Any **TWO** out of **THREE**. (2x5=10)
- a. Draw life cycle of Plasmodium and write about Laboratory diagnosis of Malaria.
 - b. Passive Immunity
 - c. Bacterial growth curve.

SECTION – C

- Q.4. Write Any **TWO** out of **THREE**. (2x4=8)
- a. Laboratory diagnosis of Leishmaniasis.
 - b. Amoebic Hepatic abscess.
 - c. Neurocysticercosis.

- Q.5. Write in **One sentence**. (6x1=6)
- a. Incomplete antigen requiresmolecule to acquire immunogenicity.
 - b. The smallest chemical configuration that can stimulate immunocyte is called.....
 - c. Hepatitis B vaccine is an example of type of vaccine..
 - d. The common way of transmission of plasmids in bacteria is _____.
 - e. Name the vector of Visceral Leishmaniasis.
 - f. Example of free living Amoeba that can cause meningitis.....