

PARUL UNIVERSITY
FACULTY OF MEDICINE
M.B.B.S January 2020 Examination

Year: 2**Subject Code: 19100203****Subject Name: Microbiology- I****Date: 10/01/2020****Time: 10:30 am to 12:30 pm****Total Marks: 40****Instructions:**

1. Attempt all questions from each section.
2. Figures to the right indicate full marks.
3. Make suitable assumptions wherever necessary.
4. Write section-A, section-B, and section-C on separate answer sheets.

SECTION – A

- Q.1. Write Any TWO out of THREE.** **[16 Marks]**
(2x5=10)
- a. Define Sterilization. Write in detail about moist heat sterilization above 100⁰ C.
 - b. Define Agglutination reaction. Write different types of agglutination reactions with examples.
 - c. Structure and Function of Bacterial cell wall.

- Q.2. Write Any TWO out of THREE.** (2x3=06)
- a. Structure of Immunoglobulin G.
 - b. Bacterial growth curve.
 - c. ELISA (Enzyme Linked Immunosorbent Assay).

SECTION – B

- Q.3. Write Any TWO out of THREE.** **[10 Marks]**
(2x5=10)
- a. Draw life cycle of Plasmodium and write about Laboratory diagnosis of Malaria.
 - b. Classify Immunity and write about Acquired Immunity.
 - c. Delayed hypersensitivity.

SECTION –C

- Q.4. Write Any TWO out of THREE.** **[14 Marks]**
(2x4=8)
- a. Laboratory diagnosis of Bancroftian Filariasis.
 - b. Write extra intestinal (metastatic) lesions and Laboratory of E. histolytica.
 - c. Hydatid Cyst.
- Q.5. Write in One sentence.** (6x1=6)
- a. Incomplete antigen is also known as _____.
 - b. The counterpart on antibody which combines with epitope is called as _____.
 - c. Write two examples of live attenuated vaccines.
 - d. The common way of transmission of plasmids in bacteria is _____.
 - e. Examples of two parasite where human acts as an intermediate host.
 - f. Name two hemoflagellates.