

**PARUL UNIVERSITY**  
**FACULTY OF MEDICINE**  
**M.B.B.S Examination June -2019**

Year: 2

Subject Code: 19100204

Subject Name: Microbiology- II

Date: 14/06/2019

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 – 1****Q.1 Write any TWO out of THREE. (10)**

- a. Pathogenicity and laboratory diagnosis of *Vibrio cholerae*
- b. Virulence factors and pathogenicity of *Streptococcus pyogenes*.
- c. Meningitis – Etiology, clinical manifestations and Lab diagnosis

**Q.2 Write any TWO out of THREE (06)**

- a. Laboratory diagnosis of *Mycobacterium leprae*.
- b. Laboratory diagnosis of *Neisseria gonorrhoeae*.
- c. Antigenic variation of Influenza viruses.

**SECTION-II****Q.3 Write any TWO out of THREE. (10)**

- a. Structure, antigenic variation and Laboratory diagnosis of HIV
- b. Antigenic Types, laboratory diagnosis and prophylaxis of Polio virus.
- c. Viral Replication

**SECTION-III****Q.4 Write any TWO out of THREE (08)**

- a. Classification of fungi.
- b. Dermatophytoses
- c. Cryptococcosis

**Q.5 Write in one sentences. (06)**

- a. Germ tube test is used to identify \_\_\_\_\_
- b. Lyme disease is caused by \_\_\_\_\_
- c. Write four methods of isolation of virus.
- d. Name two oncogenic viruses.
- e. *C. perfringens*'  $\alpha$  toxin producing capacity is detected by \_\_\_\_\_ test.
- f. Quellung reaction is used to identify which bacteria ?