

Seat No: _____

Enrollment No: _____

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

Year: 2
Subject Code: 19100204
Subject Name: Microbiology-II

Date: 04/02/2019
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, section-C on separate answer sheets
-

SECTION – A

- Q.1. Write Any **TWO** out of **THREE**. (2x5=10)
- a. Describe pathogenesis and laboratory diagnosis of *S. typhi*.
 - b. Laboratory diagnosis of *T. pallidum*.
 - c. Respiratory Tract Infections – Etiology, Laboratory diagnosis.
- Q.2. Write Any **TWO** out of **THREE**. (2x3=06)
- a. Nagler's reaction.
 - b. Laboratory diagnosis of *N. meningitidis*.
 - c. Antigenic variation in Influenza virus (Orthomyxovirus)

SECTION – B

- Q.3. Write Any **TWO** out of **THREE**. (2x5=10)
- a. Enumerate major opportunistic infections associated with untreated AIDS patients and laboratory diagnosis of HIV.
 - b. Viral multiplication.
 - c. Clinical and serological events occurring in a patients with acute hepatitis B virus infection.

SECTION – C

- Q.4. Write Any **TWO** out of **THREE**. (2x4=8)
- a. Candidiasis.
 - b. Cryptococcosis
 - c. Dermatophytes
- Q.5. Write in One sentence. (6x1=6)
- a. The causative agent of Scrapie Kuru disease is _____
 - b. Two important biochemical tests used to differentiate *S. pneumoniae* .
 - c. Hanging drop preparation is very useful in presumptive diagnosis of _____
 - d. Serological test for diagnosis of typhus fever is known as _____.
 - e. Why clot cultures yield a higher rate of isolation than blood culture ?
 - f. Germ tube test is carried out for species level identification of _____