

Seat No: _____

Enrolment No: _____

PARUL UNIVERSITY
FACULTY OF MEDICINE
M.B.B.S Examination March - 2020

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

Date: 19/03/2020
Time: 10:30 am to 12:30 pm
Total Marks: 40

Instructions:

1. All questions are mandatory
2. Figures to the right indicate full marks.
3. Draw Diagram wherever necessary.

SECTION – A

Q.1. Write Any **TWO out of THREE**. (2x5=10)

- a. Enumerate etiological agents of bacterial meningitis. Write laboratory diagnosis of meningococcal diseases.
- b. Write Pathogenesis & Laboratory diagnosis of Enteric fever.
- c. Toxin mediated diseases caused by staphylococcus aureus and Laboratory diagnosis of Staphylococcal diseases.

Q.2. Write Any **TWO out of THREE**. (2x3=06)

- a. Laptospirosis – Causative agents, Pathogenesis and Laboratory diagnosis.
- b. Non Suppurative complications of Streptococcus pyogenes.
- c. Life cycle and uses of Bacteriophage.

SECTION – B

Q.3. Write Any **TWO out of THREE**. (2x5=10)

- a. Enumerate Arboviruses causing Hemorrhagic fever. Write Pathogenesis, complications and laboratory diagnosis of Dengue fever.
- b. Mode of transmission and Laboratory diagnosis of HIV.
- c. Post exposure prophylaxis of Rabies.

SECTION – C

Q.4. Write Any **TWO out of THREE**. (2x4=8)

- a. Write Morphological classification of Fungi with examples.
- b. Opportunistic fungal infections.
- c. Enumerate different Dermatophytes and Write laboratory diagnosis of fungal skin infections.

Q.5. Write in One sentence. (6x1=6)

- a. In vitro serological test to detect toxigenic strain of *Corynebacterium diphtheria* is _____.
- b. Name two causes of Biological false positive result in VDRL test.
- c. Serological marker indicating successful Hepatitis B vaccination.
- d. Name two causative agents of Atypical Pneumonia.
- e. Antigenic shift in Influenza virus.
- f. Name two dimorphic fungi.