

Seat No: _____

Enrolment No: _____

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

Year: 2

Subject Code: 19100204

Subject Name: Microbiology- II

Date: 13-01-2020

Time: 10:30am to 12:30pm

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. Enumerate causes of bacterial meningitis. Write laboratory diagnosis of meningococcal meningitis.
- b. Write Pathogenesis & Laboratory diagnosis of Tuberculosis.
- c. Write laboratory diagnosis of Syphilis.

Q.2. Write Any **Two out of Three**

(2x3=06)

- a. Write about Widal test for Enteric fever.
- b. Toxins of Staphylococcus aureus.
- c. Life cycle and uses of Bacteriophage .

SECTION – B

Q.3. Write Any **Two out of Three**.

[10 Marks]

(2x5=10)

Enumerate Hepatitis Viruses and Explain Serological markers of Hepatitis B.

- a. Mode of transmission and Laboratory diagnosis of HIV.
- b. Post exposure prophylaxis of Rabies.

SECTION – C

Q.4. Write Any **Two out of Three**.

[14 Marks]

(2x4=8)

- a. Write Morphological classification of Fungi with examples
- b. Candidiasis.
- c. Causative agents and pathogenesis of Mycetoma.

Q.5. Write in One sentence.

(6x1=6)

- a. Four examples of Clostridium species causing gas gangrene.
- b. What is beta phage conversion in Corynebacterium diphtheria toxin?
- c. Two examples of ARBO viruses causing hemorrhagic fever.
- d. Name two non suppurative complications of Streptococcus pyogenes
- e. Antigenic shift in Influenza virus.
- f. Name two dimorphic fungi.