

P. P. SAVANI UNIVERSITY

Third Semester of M.Sc. Examination

December-2021

SSMB 8070-Medical Microbiology

08.12.2021, Wednesday Time: 09:00 a.m. to 011:30 a.m. Maximum Marks: 60

Instructions:

1. The question paper comprises of two sections.
2. Make suitable assumptions and draw neat figures wherever required.
3. Use of scientific calculator is allowed.

Section-I

Q.1 Very Short Questions (Attempt any five) [10]

- 1.1 What are various modes of transmission of diseases?
- 1.2 Define : Vector, Pathogenesis.
- 1.3 What is blood? Give major functions of blood..
- 1.4 What are the various cells and organs of Immune System?
- 1.5 Define Haptens, Adjuvants.
- 1.6 What is delayed hypersensitivity?

Q.2 Write Short Notes (Attempt any two) [06]

- 2.1 Haemetopoesis with diagram.
- 2.2 Properties of Antigen.
- 2.3 Blood Sample Collection

Q.3 Detail questions (Attempt any two) [14]

- 3.1 Type II Hypersensitivity
- 3.2 Biomedical Waste Management
- 3.3 Structural Characteristics of Immunoglobulins with diagram.

Section-II

Q.1 Very Short Questions (Attempt any five) [10]

- 1.1 What are signs and symptoms of disease caused by *Ct.tetani*?
- 1.2 What are the cultural and morphological characteristics of *Pseudomonas*?
- 1.3 What are the signs and symptoms of Para Influenza.
- 1.4 Write causative agent and symptoms for dysentery.
- 1.5 What are the treatments and preventive measurements for HIV?
- 1.6 Write cultural and morphological characteristics for *E. coli*.

Q.2 Write Short Notes (Attempt any two) [06]

- 2.1 Cholera
- 2.2 Mycosis
- 2.3 Small Pox

Q.3 Detail questions (Attempt any two) [14]

- 3.1 Tuberculosis.
- 3.2 Spirochetes
- 3.3 Anthrax