

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 How various samples are collected for lab diagnosis?
- 1.2 What is Biomedical Waste?
- 1.3 What is blood? What are the various components of Blood.
- 1.4 Define : Immunity. What is Innate and Adaptive Immunity?
- 1.5 What are Normal Flora? Advantages of Normal Flora.
- 1.6 What are Histamines and Prostaglandins?

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

- 2.1 Direct transmission.
- 2.2 Organs of Immune System.
- 2.3 Anticoagulants.

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

- 3.1 Type I Hypersensitivity
- 3.2 Normal Flora of Skin.
- 3.3 Structural Characteristics of Ig G with diagram.

Section-II

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

- 1.1 What are signs and symptoms of disease caused by *Shigella*?
- 1.2 What are the cultural and morphological characteristics of *E.coli*?
- 1.3 What are the signs and symptoms of Polio?
- 1.4 Write causative agent and symptoms for Tuberculosis.
- 1.5 What are the treatments and preventive measurements for Cholera?
- 1.6 Write cultural and morphological characteristics for *Pseudomonas*.

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

- 2.1 Proteus
- 2.2 Staphylococcus Infections
- 2.3 Dermatophytes

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

- 3.1 HIV
- 3.2 Mycotioxins
- 3.3 Syphilis