

# P P SAVANI UNIVERSITY

First Semester of B.Sc. Nursing Examination  
March-2020

**SNNR1030 – Microbiology**

16.03.2020, Monday

Time: 09:00 a.m. to 12:00 noon

Maximum Marks: 75

**Instructions:**

1. The question paper comprises of two sections.
2. Section I and II must be attempted in separate answer sheets.
3. Make suitable assumptions and draw neat figures wherever required.

**Section: I (Marks-38)**

- Q:1 Long Essay. (Any One) (13)**
1. Describe size, shape and Arrangement of bacteria
  2. Explain in detail Various contributions of Louis Pasteur
- Q:2 Short Essay. (Any Three) (15)**
1. Give Whittaker's Five kingdom Classification
  2. Difference between Prokaryotes & Eukaryotes
  3. Explain Hanging Drop Technique.
  4. What is disinfection? Explain various methods of disinfection
  5. Explain Gram's Staining
- Q:3 Answer the Following (Any Five) (10)**
1. What are Robert Koch's Postulates?
  2. What do you mean by Chemotherapy?
  3. Give 5 names of Bacteria
  4. Name various media ingredients of culture media
  5. What is differential media?
  6. What are Halophiles and Thermophiles?

**Section-II (Marks-37)**

- Q:4 Long Essay. (Any One) (12)**
1. Describe the types and methods of sterilization
  2. Describe types and classification of immunity
- Q:5 Short Essay. (Any Three) (15)**
1. Explain Biomedical Waste Management.
  2. Describe Antigen –Antibody reaction.
  3. Elaborate Immunization schedule.
  4. Explain AIDS.
  5. Describe Hepatitis B.
- Q:6 Define the Following. (Any Five) (10)**
1. Measles
  2. Widal Test
  3. Clostridium Tetanus
  4. Mycosis
  5. Syphilis
  6. Spirochetes