

P. P. SAVANI UNIVERSITY

First Semester of B.Sc. Nursing Examination

March-2019

SNNR1030- MICROBIOLOGY

25.03.2019, Monday

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

Maximum Marks: 75

Instructions:

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

Section: A (Marks-38)

- Q:1 Long Essay. (Any One)** (13)
1. a) Write in detail about Structure of Bacterial cell.
 - b) Explain about Bacterial Growth Phase.
 2. a) Discuss in Detail about Gram Stain and Acid Fast stain.
 - b) Define culture media.Explain various types of culture media.
- Q:2 Short Essay. (Any Three)** (15)
1. Explain the importance of Microbiology in Nursing.
 2. Describe the Factor affecting growth of microbes.
 3. Write about the Robert Koch's Postulates.
 4. Explain collection of various specimen.
 5. Describe the structure of HIV Virus.
- Q:3 Answer the Following (Any Five)** (10)
1. Name the father of Microbiology and Father of Bacteriology.
 2. Enlist Types of Microscope.
 3. Enlist two gram positive and gram negative bacteria.
 4. Define Colonization.
 5. Meaning of Bacteriocidal and Bacteriostatic.
 6. Draw the structure of Flagella and state the function of it.

Section:B (Marks-37)

- Q:4 Long Essay. (Any One)** (12)
1. a) Explain Tuberculosis in detail.
 - b) Describe the Mycoplasma in detail.
 2. a) Explain in detail types of Vaccines
 - b) Define sterilization. Enlist classification of Sterilization and Describe Physical method of Sterilization.
- Q:5 Short Essay. (Any Three)** (15)
1. How the various specimens are collected and transported?
 2. Explain the Anthrax in detail.
 3. Write down about Hospital Acquired Infection.
 4. Describe Pneumonia
 5. Give Classification of Antibodies.
- Q:6 Answer the Following (Any Five)** (10)
1. What are Antigens?
 2. Classify the Vaccination Schedule.
 3. Define vector.
 4. What is Hypersensitivity?
 5. Name any 2 diseases caused by Parasites.
 6. Name any 2 diseases caused by Virus.