

**BACHELOR OF SCIENCE (NURSING) (2007 COURSE)**  
**S. Y. B. Sc. (Nursing) : SUMMER : 2022**  
**SUBJECT: MICROBIOLOGY**

Day : Friday  
Date 29-Apr-2022

S-990-2022

Time : 10:00 AM-01:00 PM  
Max. Marks: 75

**N.B.:**

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Answers to both the sections should be written in **SEPARATE** answer book.

**SECTION-I**

**Q.1** Write short notes on **ANY FIVE** of the following: **(10)**

- a) Spirochetes
- b) Dry Heat Sterilization
- c) Media used to grow Fungi
- d) Define the term Immunity
- e) Life cycle of malaria
- f) Widal test
- g) Types of Toxins

**Q.2** Short Answer Questions on **ANY FOUR** of the following: **(16)**

- a) Enumerate the different types of culture media.
- b) Autoclaving.
- c) Morphology of viruses
- d) Pathogenesis of candidiasis
- e) Gram staining procedure
- f) Storage and Handling of vaccines

**Q.3** Long Answer Questions on **ANY ONE** of the following: **(12)**

- a) Write a note on Standard Safety Precautions and Role of Nurse in controlling and preventing Hospital Acquired Infections.
- b) Explain the characteristics, sources, portal of entry and transmission of Infection of Rodents and vectors.

**SECTION-II**

**Q.4** Write short notes on **ANY FIVE** of the following: **(10)**

- a) Laboratory diagnosis of Typhus Fever
- b) Antimicrobial sensitivity tests
- c) Principles of Hot Air over
- d) Categories of Biomedical Wastes
- e) Role of different Immunoglobulin classes
- f) Morphology of Pneumococcus
- g) Uses of Nutrient Agar

**Q.5** Short Answer Questions on **ANY FOUR** of the following: **(16)**

- a) Growth curve of Bacteria.
- b) Types and classification of Immunity.
- c) Poliomyelitis.
- d) Ziehl-Neelsen stain
- e) Growth and Nutrition of microbes
- f) Asepsis

**Q.6** Long Answer Questions on **ANY ONE** of the following: **(11)**

- a) Enumerate the various shapes, morphology and Anatomy of Bacteria with a Neat Diagram.
- b) Explain in brief about viral Hepatitis. Enumerate the morphology, Laboratory Diagnosis and modes of Transmission of Hepatitis virus.

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