

**BACHELOR OF SCIENCE (NURSING) (2019 COURSE)**  
**F. Y. B. Sc. (Nursing) :SUMMER- 2022**  
**SUBJECT : MICROBIOLOGY**

Day : Monday  
Date : 6/6/2022

**S-22425-2022**

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) Treatment & prevention of clostridium tetani.
  - b) Laboratory diagnosis of UTI
  - c) Ziehl – Neelsen stain
  - d) Personal hygiene
  - e) VDRL Test
  - f) Mantoux Test (Tuberculin Test)
  - g) Polio Vaccine
- Q.2** Write Short Answer Questions on **ANY FOUR** of the following: **(16)**
- a) Immunity
  - b) Structure of Flagella
  - c) HIV
  - d) Sources of infection
  - e) Role of Nurse in infection control
  - f) Life cycle for E. Histolica
- Q.3** Long Answer Questions on **ANY ONE** of the following: **(12)**
- a) Define vaccine. Explain types of vaccine and cold chain equipment necessary for storage and transportation.
  - b) Define the term fever explain in detail about plasmodium Falciparum and describe the laboratory diagnosis of malaria.

**SECTION - II**

- Q.4** Write short notes on **ANY FIVE** of the following: **(10)**
- a) Standard Safety Measures
  - b) Autoclave
  - c) Principle of Microbiology
  - d) Agglutination test with two examples
  - e) Disinfection
  - f) Chocolate Agar
  - g) List of capsulated Bacteria
- Q.5** Write Short Answer Questions on **ANY FOUR** of the following: **(16)**
- a) Widal Test
  - b) Classification of cultural media
  - c) Cell wall of bacteria
  - d) Bacterial Growth Curve
  - e) Immunoglobulin M
  - f) Acid fast staining
- Q.6** Long Answer Questions on **ANY ONE** of the following: **(11)**
- a) Define Nosocomial infection, Discuss the source of infection and common agents of nosocomial infection and preventive measure of nosocomial infection.
  - b) Define sterilization, Describe in details physical and chemical methods of sterilization.