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BACHELOR OF SCIENCE (NURSING) (2019 COURSE)

F. Y. B. Sc. (Nursing) : WINTER- 2022

SUBJECT : MICROBIOLOGY

Day : Monday

Time : 10:00 AM-01:00 PM

Date : 21-11-2022

W-22425-2022

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) Any two Characteristics of a) Bacteria b) Virus
- b) VDRL Test
- c) Mode of transmission of Rabies
- d) Personal Hygiene
- e) Laboratory diagnosis of Mycobacterium tuberculosis
- f) Define Malaria
- g) Types of staining

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

- a) Bacterial Nutrition
- b) Sources of infection
- c) Immunity
- d) HIV
- e) Biomedical waste management
- f) Life cycle of 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) Enlist common micro – organisms associated with Hospital acquired infection, explain method of transmission of infection. Describe methods for sterilization in operation theatre.

SECTION - II

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

- a) Agglutination test with two examples
- b) Disinfection
- c) Immunoglobulin M
- d) Acid fast staining
- e) Chocolate Agar
- f) Infection control in chemotherapy
- g) List of capsulated of Bacteria

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

- a) Nosocomial infection
- b) Widal test
- c) Morphological features of Staphylococcus
- d) Classification in culture media
- e) Cell wall of bacteria
- f) Bacterial Growth Curve

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

- a) Describe morphology, cultural characteristics and laboratory diagnosis of Vibrio Cholera.
- b) List of viruses causing Hepatitis, Describe the diagnosis of Hepatitis, B virus and explain about the prophylaxis of Hepatitis B.