

POST BASIC BACHELOR OF SCIENCE (NURSING)
F. Y. P. B. B. Sc. (Nursing) : WINTER : 2023
SUBJECT : MICROBIOLOGY

Day : Thursday
Date 25 01-2024

W-5660-2023

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 books.

SECTION – I

- Q.1** Write short notes on **ANY FIVE** of the following: (10)
- a) Toxins of Clostridium Perferinges
 - b) Capsule
 - c) Name 4 bacterial Vaccines
 - d) Antibodie
 - e) Tyndalization
 - f) Agglutination Reactions
 - g) Complement System
- Q.2** Short answer questions on **ANY FOUR** of the following: (16)
- a) Widal test
 - b) Nagler's reaction
 - c) Gram staining
 - d) Flagella
 - e) Laboratory diagnosis of staphylococcal infection
 - f) Microscope
- Q.3** Long answer questions on **ANY ONE** of the following:
- a) Enumerate the Acid fast bacilli. (02)
 - b) Describe morphological and cultural characteristics of mycobacterium tuberculosis. (04)
 - c) Discuss laboratory diagnosis of pulmonary tuberculosis. (06)
- OR**
- a) Define hypersensitivity. (02)
 - b) Classify hypersensitivity. (04)
 - c) Discuss detail type IV hypersensitivity reaction. (06)

SECTION – II

- Q.4** Write short notes on **ANY FIVE** of the following: (10)
- a) Giardia lamblia
 - b) Name 4 fungi causing superficial mycosis
 - c) Enumerate 4 helminths
 - d) Rabies Vaccines
 - e) Aspergillosis
 - f) National Immunization schedule
 - g) Cysticercus cellulose
- Q.5** Short answer questions on **ANY FOUR** of the following: (16)
- a) Laboratory diagnosis of infection caused by A. deodenalis.
 - b) Laboratory diagnosis of filariasis.
 - c) Mention pathogenicity of candidia albicans.
 - d) Life cycle of Ascaris lumbricoid.
 - e) Nosocomial infection.
 - f) Method of cultivation of viruses.
- Q.6** Long answer questions on **ANY ONE** of the following:
- a) Enumerate Protozoa. (01)
 - b) Describe morphology and life cycle of H. histolytica. (04)
 - c) Laboratory diagnosis of Amoebiasis. (05)
- OR**
- a) Describe opportunistic infections in HIV. (01)
 - b) Describe modes of transmission and pathogenesis of HIV. (04)
 - c) Laboratory diagnosis of AIDS. (05)