

**POST BASIC BACHELOR OF SCIENCE (NURSING)**  
**F. Y. P. B. B. Sc. (Nursing) : SUMMER : 2024**  
**SUBJECT: MICROBIOLOGY**

Day : Monday  
Date : 08/07/2024

**S-5660-2024**

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) Name four motil bacteria
  - b) Elisa
  - c) Enumerate autoimaune disease
  - d) Bacterial Nutrition
  - e) Laboratory diagnosis of gonorrhea
  - f) IgG
  - g) Morphology and cultural characteristics of Pseudomonas
- Q.2** Short answer questions on **ANY FOUR** of the following: (16)
- a) Enumearate Vactaria causing urinarytract infectionand laboratory diagnosis of UTI.
  - b) Autoclave.
  - c) Laboratory diagnosis of syphilis.
  - d) B. C. G. Vaccine.
  - e) Universal safety Precautions.
  - f) Clostridium tetani.
- Q.3** Long answer questions on **ANY ONE** of the following:
- a) Define culture media. (02)
  - b) Classify culture media. (04)
  - c) Write a note on enriched and enrichment medium and give examples. (06)
- OR**
- a) Define Immunity. (02)
  - b) Classify Immunity. (04)
  - c) Write in detail on innate Immunity. (06)

**SECTION – II**

- Q.4** Write short notes on **ANY FIVE** of the following: (10)
- a) Enumerate blood born parasites
  - b) Structure of HIV
  - c) Difference between fungi and bacteria
  - d) Enumerate the opportunistic fungal infections
  - e) Enumerate 4 DNA viruses
  - f) Biomedical waste management
  - g) Role of nurses in hostpital infiction control
- Q.5** Short answer questions on **ANY FOUR** of the following: (16)
- a) Laboratory diagnosis of malaria.
  - b) Describe morphology of Bacteriophage with neat and well labelled diagram.
  - c) Decribe the pathogenesis, laboratory dignosis and prophylaxis of rabies.
  - d) Laboratory diagnosis of Amoebiasis.
  - e) Write a note on viral replication.
  - f) Laboratory diagnosis of infection caused by Ascaris lumbricoid.
- Q.6** Long answer questions on **ANY ONE** of the following:
- a) Enumerate DNA viruses. (01)
  - b) Describe structrue and mode of transmission of Hepatitis-B Virus. (04)
  - c) Laboratory diagnosis of Hepatitis-B Virus infection. (05)
- OR**
- a) Mention Predisposing factors for fungal infection. (01)
  - b) Enumerate Dermatophytes. (04)
  - c) Dosciuss laboratory diagnosis of Dermatophytosis. (05)