

Roll No.....

Rufaida College of Nursing
Jamia Hamdard
Post Basic B. Sc. Nursing I Year, March 2023
Microbiology
BSN PB-105

Time: 3 hours

Max. Marks: 75

SECTION A

Answer ALL questions:

Q1. Briefly explain about the following:

(10x2=20)

- a. Koch postulate
- b. Staphylococcus aureus
- c. Germ theory
- d. Immunoglobulins
- e. Vector control measure
- f. Types of host- parasite relationship
- g. Humoral immunity
- h. Normal flora
- i. Dermatophytes
- j. Name any four vaccines under National Immunization Schedule

SECTION B

Answer any TWO of the following:

Q2. What are viruses and virions? Describe the general characteristics of viruses Write down the diseases caused by H₁N₁ influenza virus, its modes of transmission and prevention and control.

(2+4+1+1+7=15)

Q3. Define disinfection and sterilization. Enlist various methods of disinfection and sterilization and describe the physical methods. Explain the role of nurse in hospital infection control.

(2+3+5+5=15)

- Q4. a. Define microbiology.**
b. Classify various micro-organisms.
c. Write down the scope of medical microbiology.
d. Write down the application of microbiology in nursing.

(2+4+4+5=15)

- Q5. a. What are parasites?**
b. Write down the classification of parasites.
c. List down various arthropods and diseases caused by them.
d. Describe in detail the life cycle of plasmodium.

(2+3+5+5=15)

SECTION C

Write short notes on any FIVE of the following:

- Q6. a. Hypersensitivity**
b. Food poisoning
c. Culture media
d. Mechanism of antibiotic action
e. Soil transmitted helminths
f. Types of bacterial spores
g. ELISA
h. Systemic mycosis

(5x5=25)