

# School of Nursing

Department of Nursing

CAT 1

Exam Date: 18 Oct 2023

Time : 90 Minutes

Marks : 30

## Sem III - MICR201 - Applied Microbiology and Infection Control Including Safety

*Your answer should be specific to the question asked*

*Draw neat labeled diagrams wherever necessary*

- 1) State who is often considered the "Father of Microbiology" for his pioneering work in microbiology? K1 (1)
- 2) Identify which microbiologist is credited with discovering the first antibiotic, penicillin, in 1928? K1 (1)
- 3) Interpret which type of PPE is typically used to protect the eyes and face from splashes and sprays? K2 (1)
- 4) Discover what type of isolation precaution is recommended for patients with infections spread by large respiratory droplets? K2 (1)
- 5) Execute the term What is selective media with the help of suitable example? K3 (2)
- 6) Illustrate how Transmission-based precaution is different from Standard-based precaution. K3 (2)
- 7) Carryout two types of hand hygiene K3 (2)
- 8) Compare various Types of Isolation system. K4 (5)
- 9) Correlate the various blood transfusion policies a healthcare worker is required to follow during any blood transfusion procedure. K4 (5)
- 10) Persuade the role of culture-dependent methods in microbial identification. Monitor the steps involved in isolation, cultivation, and characterization of microorganisms from environmental samples. K5 (10)