

# School of Biomedical Science

Department of Biomedical Science

Mid Term Examination

Exam Date: 27 Sep 2023

Time : 90 Minutes

Marks : 50

## Sem III - MFS27T3102 - Forensic Serology and DNA Profiling

*Your answer should be specific to the question asked*

*Draw neat labeled diagrams wherever necessary*

- 1) Classify adjuvants. K2 (2)
- 2) Define bombay blood group. K1 (3)
- 3) Explain the functions of various antibodies. K2 (4)
- 4) Illustrate the biochemistry of ABH Antigens. K2 (6)
- 5) Identify the mechanism of Teichmann test. K3 (6)
- 6) Design an experiment with absorption-inhibition to determine the ABO blood group from a blood stain. K3 (9)
- 7) Classify the biosynthesis of ABO Blood group system. K4 (8)
- 8) Examine the procedure for the collection and preservation of blood present on the different porous and non-porous surfaces. K4 (12)

**OR**

Analyze the factors that contribute to the specificity of antigen-antibody interactions. K4 (12)