

School of Medical and Allied Sciences**B.Sc Medical Lab Technology
Semester End Examination - Jun 2024****Duration : 180 Minutes
Max Marks : 100****Sem IV - L1UD404T - BMLS4004 - BMLS4007- Applied Histopathology-I**General Instructions*Answer to the specific question asked**Draw neat, labelled diagrams wherever necessary**Approved data hand books are allowed subject to verification by the Invigilator*

- 1) Define dehydration in tissue processing for histological examination. K1(2)
- 2) Demonstrate the technique of decalcification in histopathology, showcasing different decalcifying fluids and their respective effects on tissue samples. K2(4)
- 3) Summarize and explain the types of stains commonly used in histological staining. K2(6)
- 4) Organize a system about decalcification along with the types of decalcifying fluids. K3(9)
- 5) Organize the workflow in an automated histopathology laboratory K3(9)
- 6) Justify the care and maintenance of the microscope with atleast ten points. K5(10)
- 7) Categorize Fixatives with a flowchart of the classification and explain in detail with the composition of the fixatives. K4(12)
- 8) Evaluate fixation and classification of fixatives along with the composition. K5(15)
- 9) Evaluate the Process of manual tissue processing in the histopathology laboratory. K5(15)
- 10) Design a system for automation in histopathology. K6(18)