

School of Medical and Allied Sciences

**B.Sc Medical Lab Technology
Semester End Examination - Aug 2024**

**Duration : 180 Minutes
Max Marks : 100**

Sem V - BMLS5007 /BMLS5004- Applied Histopathology-IIGeneral 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

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| 1) | Define the term Impregnation. | K1(2) |
| 2) | Demonstrate Fluorescence in situ hybridization technique. | K2(4) |
| 3) | Summarize and explain about Vital staining technique used in histopathology lab. | K2(6) |
| 4) | Organize the staining method to detect Dehydrogenase from tissue sample. | K3(9) |
| 5) | Organize the protocol for FISH with diagram. | K3(9) |
| 6) | Justify the principle and mechanism of Vital staining technique. | K5(10) |
| 7) | Categorize the staining method for detection of Oxidase enzyme from tissue. | K4(12) |
| 8) | Evaluate the process Acid fast stain for detection of bacteria from tissue. | K5(15) |
| 9) | Evaluate collagen fibers by staining technique with principle and procedure. | K5(15) |
| 10) | Design a protocol for diagnosis of various tissue elements by special staining techniques. | K6(18) |