

# School of Medical and Allied Sciences

Medical Lab Technology

ETE - Jun 2023

Time : 3 Hours

Marks : 100

## Sem IV - BMLS4007 / BMLS4004

**Applied Histopathology I** *Your answer should be specific to the question asked Draw neat labeled diagrams wherever necessary*

1. Recall about Compound microscope depend on principle and function. K1 CO1 (5)
2. Define the rejection criteria of sample for better histological examination. K1 CO2 (5)
3. Label a chart for different types of fixatives used in histopathology lab. K2 CO3 (5)
4. Adapt various things which affects the decalcification process and write the composition, preparation and uses of Perenyi's fluid. K3 CO2 (10)
5. Explain the working principle of dark field microscope with their uses. K3 CO1 (10)
6. Organize the purpose of fully automation in histopathology lab for better examination. K4 CO2 (10)

### OR

- Make a chart of different types of fixatives used in histopathology lab and their uses. K4 CO2 (10)
7. Apply your knowledge on Embedding method with various types of embedding media. K2 CO3 (10)
  8. Point out the different steps for sharpening of Microtome knives with proper explanation. K4 CO1 (15)
  9. Justify the equipment's used for manual staining with their procedure and Mounting of cover slips. K5 CO3 (15)

### OR

- Recommend the routine staining procedures for histological examination with one example. K5 CO3 (15)
10. Reframe the commonly used mountants and their preparation along with advantages and disadvantages. K5 CO2 (15)