

School Name: School of Health Sciences

Program Name: BMLT

Course Title: Histopathology and Histotechniques -I Course Code: BHMT-304

Semester: III

- Define histopathology.
 - What is the purpose of grossing tissues?
 - Define cryostat and its function.
 - What are natural dyes and give an example?
 - Define refractive index in the context of mounting media.

 - Explain the process of specimen transportation in histopathology.
 - Compare manual and automated methods of tissue processing
 - Explain the process and applications of freeze-drying in histopathology.
 - Explain metachromatic dyes and their applications .
 - Explain the importance of proper specimen recording and labeling.
 - Describe the different types of fixatives used in histopathology and their specific applications.
 - Discuss the different types of tissue and their significance in histopathology.
 - Describe the role of mounting media in histological preparations and their properties.
 - What is the importance of proper labeling of tissue specimens?
 - Define whole mount preparation.
 - State the term "rapid frozen sections."
 - What is a mordant, and why is it used?
 - Write the purpose of decalcifying fluids.

 - Describe the process of specimen transportation in histopathology.
 - Compare manual and automated methods of tissue processing
 - Explain the process and applications of freeze-drying in histopathology.
 - Discuss metachromatic dyes and their applications in histopathology.
 - Explain the importance of proper specimen recording and labeling.
- Discuss the role of histopathology in disease diagnosis and management.
 - Explain the process of decalcification, including the methods and types of decalcifying fluids used.
 - Describe the techniques involved in section cutting and the common challenges faced.