

Z 401C - Histological techniques and Histology

UNIT-I BASIC HISTOLOGICAL TECHNIQUES

1. Methods of Examination of tissues
2. Fixation
3. Tissue-Processing
4. Microtomy

UNIT-II THEORY OF STAINING

1. Vital staining
2. By the production of coloured substances in tissues
3. Metachromatic staining
4. Acid, Basic and Neutral stains
5. Preparation of stains

UNIT-III BASIC STAINING AND MOUNTING PROCEDURE

1. Mounting media
2. Staining of paraffin sections
3. Staining of Frozen sections
4. Haematoxin, Eosin, Haematoxin and Eosin double staining
5. Some special staining methods

UNIT-IV TISSUE OF THE BODY

1. Basic tissues: Epithelial tissue
2. Connective tissue (including blood)
3. The cartilage, bone
4. Muscle tissue
5. Nervous tissue
6. Study of section of different parts of different systems