

00162

**B.Sc, IN MEDICAL LABORATORY
TECHNOLOGY (BMLT)**

**Term-End Examination
December, 2011**

BAHI-008 : HISTOPATHOLOGY AND CYTOLOGY

Time : 3 hours

Maximum Marks : 70

PART - A

Answer *any three* questions. Each carries 10 marks.

1. Describe the procedure of tissue processing. **10x3=30**
2. How do you preserve a surgical specimen for museum preparation ? Describe Preservatives for specimen preservation .
3. What are clearing agents ? Describe functions and uses of clearing agents.
4. Describe the procedure of embedding of tissues. Write in brief paraffine block Preparation .

PART - B

5. Write short notes on *any four* of the following : **5x4=20**
- (a) Decalcification
 - (b) Fixatives
 - (c) Impregnation techniques
 - (d) Frozen sections
 - (e) Papanicolau stain (PAP)
6. Write briefly on *any two* of the following : **2x5=10**
- (a) Automation in histotechnology
 - (b) Mounting media
 - (c) Microtome

PART - C

7. Fill in the blanks :

1x5=5

- (a) Xylol is used as _____.
- (b) For dehydration _____ is normally used.
- (c) In H and E staining the common haemotoxylene used is _____ .
- (d) Cryostat is procedure of quick rapid _____ section .
- (e) In exfoliative cytology cells derived are from _____ .

8. Choose the appropriate answer for the following :

1x5=5

- (a) Stain used for Cervical cytology is _____ .
- (b) Buccal Smear examination is for _____ .
- (c) Ultra sound guided FNAC is advantageous for _____ .
- (d) Cytological fixation of smear is done with _____ .
- (e) Stain used for routine fluid cytology is _____ .