

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

Term-End Examination

December, 2014

**BAHI-009 : APPLIED HISTOPATHOLOGY AND
CYTOLOGY**

Time : 3 hours

Maximum Marks : 70

Note : Attempt questions as indicated in each part.

PART-A

1. (a) Fill up the blanks appropriately : **1x5=5**
- (i) Collagen fibres and muscles are better stain and differentiated by _____ stain.
 - (ii) Gomoris silver impregnated technique is commonly used to stain _____ fibres.
 - (iii) Klinger-Ludering method is used to determine _____.
 - (iv) Immediate results for automated frozen sections technology is performed by _____.
 - (v) Haris Weigert stains _____ pigments.

- (b) Write **True (T)** or **False (F)** for the following : **1x5=5**
- (i) Magnesium and phosphorus are stained better with Von Kossa's silver nitrate method.
 - (ii) Sudan III and Sudan IV stains the elastic fibres even in minor quantities.
 - (iii) Keserling solutions are better preservatives commonly used in "Museum preparations in histopathology departments".
 - (iv) Congo red stain with polarisation view for demonstration of amyloid is essential.
 - (v) Ultra sound guided FNAC for visceral organ is considered essential technique for diagnosis.

PART-B

2. Answer in brief **any two** of the following : **5x2=10**
- (a) H and E stain
 - (b) Museum preparations
 - (c) Frozen section

PART-C

3. Write short notes on **any four** of the following : **5x4=20**
- (a) Stains for mucins
 - (b) Stains for pigments
 - (c) Reticulin stain
 - (d) Phosphotungstic Acid Haematoxylin stain (PTAH)
 - (e) Fat stain

PART-D

4. Answer **any three** of the following : **10x3=30**

- (a) Write in brief the grossing and restoration of specimen for museum preparation and preservation.
 - (b) Give an account of organisation of autopsy and autopsy performance. Write essential steps for role of technician in autopsy organisation.
 - (c) Enumerate methods of cytology slides preparation. Give an account of cytofixatives in cytology.
 - (d) What are parameters of check for accreditation of histotechnology laboratories ? Write briefly on standard operative procedures for the department.
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