

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

Term-End Examination

December, 2016

BAHI-008 : HISTOPATHOLOGY AND CYTOLOGY

Time : 3 hours

Maximum Marks : 70

Note : Answer any six questions. Question no. 7 is compulsory.

1. Define and classify fixatives. Discuss briefly the compound fixatives used in histopathology. $5+5=10$
2. Mention the different methods available for decalcification. Discuss the procedure for decalcification and write about the tests for complete decalcification. $4+4+2=10$
3. Discuss the different types of haematoxylin and write the procedure for H&E staining technique. $4+6=10$
4. Define Cytology. Discuss the advantages and disadvantages of Fine Needle Aspiration Cytology (FNAC). Write a note on fixatives used in cytology. $2+5+3=10$

5. Discuss in detail handling and reception of specimens. 5+5=10
6. Write briefly on any *two* of the following : 2×5=10
- (a) Microtome Knives
 - (b) Mounting Media
 - (c) Different types of wax used in histopathology
7. Write short notes on any *four* of the following : 4×5=20
- (a) Dehydration
 - (b) Embedding
 - (c) Section Cutting
 - (d) Uses of Cytology
 - (e) Advantages and Disadvantages of Frozen Section
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