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

**Term-End Examination**

**June, 2017**

**BAHI-008 : HISTOPATHOLOGY AND CYTOLOGY**

*Time : 3 hours*

*Maximum Marks : 70*

**Note :** *Answer any six questions. Question No. 7 is compulsory.*

1. Define tissue processing. Discuss briefly the events in tissue processing after fixation. 3+7=10
2. Mention the different methods used for tissue embedding. Describe the technique of tissue embedding. 5+5=10
3. What is frozen section ? Write the principle behind it. Discuss the advantages and disadvantages of frozen section. 3+3+4=10
4. Discuss the different stains used in cytopathology and describe the procedure of PAP staining. 5+5=10
5. Define cytology. Enumerate uses of cytology. Discuss the advantages and disadvantages of Fine Needle Aspiration Cytology (FNAC). 2+2+6=10
6. Write briefly on **any two** of the following : 5x2=10
  - (a) Sharpening of knife
  - (b) Barr Bodies
  - (c) Sections crumbling

7. Write short notes on **any four** of the following :
- (a) Handling and Reception of Specimens **5×4=20**
  - (b) Formalin fixative
  - (c) Technique of section cutting
  - (d) Cytological fixatives
  - (e) Uses of cytology
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