

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

Term-End Examination

December, 2014

BAHI-008 : HISTOPATHOLOGY AND CYTOLOGY

Time : 3 hours

Maximum Marks : 70

PART- A

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

3x10=30

1. Describe the procedure of tissue processing.
2. Describe in detail about the procedure of section cutting. Mention about errors in cutting.
3. Discuss different stains used in cytopathology and describe the procedure of staining any one of them.
4. Define and classify fixatives. Discuss briefly advantages and disadvantages of formalin fixative.

PART - B

5. Write short notes on **any four** of the following. 4x5=20
- (a) Decalcification
 - (b) Frozen section
 - (c) Cytological fixative
 - (d) Mounting of sections.
 - (e) Hematoxylin.
6. Write briefly on **any two** of the following. 2x5=10
- (a) Sharpening of Knife
 - (b) Embedding
 - (c) Advantages and disadvantages of cytopathology.

PART - C

7. Indicate **True** or **False** for the following. 5x1=5
- (a) The melting point of Paraffin wax is 58°C.
 - (b) The general term used for the removal of tissue from dead body is Biopsy.
 - (c) The ideal thickness of histopathology section for microscopy is 10 micron.
 - (d) Chloroform is dehydrating agent.
 - (e) CO₂ gas is used to freeze frozen section.
8. Fill in the blanks. 5x1=5
- (a) The temperature maintained in cryostat is _____.
 - (b) Most commonly used mountant is _____.
 - (c) Stain used for cervical cytology _____.
 - (d) Decalcification applies for _____ types of tissue.
 - (e) Alcohol ether mixture is used as _____.
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