

00294

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

Term-End Examination

June, 2013

BAHI-008 : HISTOPATHOLOGY AND CYTOLOGY

Time : 3 hours

Maximum Marks : 70

PART-A

Answer *any three* questions :

10x3=30

1. Describe steps of Papanicolau's Stain.
2. Define fixation. Classify types of fixatives.
3. Describe procedure for preservation of museum specimens.
4. Enumerate different specimens studied for exfoliative cytology and give procedure for preparation of smears from body fluids.

PART - B

5. Write notes on *any four* of the following : 5x4=20
- (a) Frozen section
 - (b) Cell structure
 - (c) Preparation of Giemsa stain and staining procedure
 - (d) Types of Microtome
 - (e) Impregnation technique
6. Write briefly on *any two* : 2x5=10
- (a) Automation in histotechnology
 - (b) FNAC
 - (c) Clearing agents.

PART - C

7. Fill in the blanks. 1x5=5
- (a) Buccal smear is used for _____.
 - (b) 'Beuins' fluid is preferred for fixation of _____ tissue.
 - (c) _____ type of Microtome is routinely used in histopathology lab.
 - (d) Commonly used fixative for air dried cytological smears is _____.
 - (e) Cryostat is used for _____.
8. Write *True (T)* or *False (F)* against the statements given below : 1x5=5
- (a) Kaiserling solution is used in mounting of specimens.
 - (b) EA-36 is used in Papanicalous stain
 - (c) Frozen section is not used for fat staining.
 - (d) Xylene is used as dehydrating agent
 - (e) Hydrochloric acid is used for decalcification.
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