



RAN - 2103000206020073

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**T. Y. B. Sc. (MLT) (Sem. - VI) Examination April - 2023**

**Medical Laboratory Technology**

**Histology and Cytology : MLT-19**

**Time: 2 Hours ]**

**[ Total Marks: 50**

**सूचना : / Instructions**

(1)

नीचे दृशविले निशानीवाणी विगतो उत्तरवही पर अवश्य लखवी.  
**Fill up strictly the details of signs on your answer book**

Name of the Examination:

**T. Y. B. Sc. (MLT) (Sem. - VI)**

Name of the Subject :

**Medical Laboratory Technology Histology and Cytology : MLT-19**

Subject Code No.: **2103000206020073**

Seat No.:

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Student's Signature

- (2) All questions are compulsory.  
(3) Draw figures wherever necessary.

**Set - A**

**Q. 1. Answer the following in short: (08)**

- 1) Explain squash preparation in brief.
- 2) What is embedding? Enlist embedding medium.
- 3) Enlist types of microtome.
- 4) Explain the branches of diagnostic cytology in brief.

**Q. 2. Write in details on the following: (any two) (14)**

- 1) Write a note on decalcification.
- 2) Enlist the steps of tissue processing. Explain any one in detail.
- 3) Write a note on H & E staining

**Q. 3. Write in details on the following: (any two) (14)**

- 1) Write a note on automatic tissue processing.
- 2) Explain role of diagnostic cytology.
- 3) What is FNAC? Explain its collection procedure and smear preparation.

**Q. 4. Write in details on the following: (Any two) (14)**

- 1) What is fixation. State types of fixatives. Explain cytological fixatives in detail.
  - 2) Explain microtome knives in detail.
  - 3) What is exfoliative cytology? Explain its collection procedure.
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