



**RAN-2103000206020073**

**T.Y.B.Sc. (Sem. VI) Examination September - 2025**

**Medical Laboratory Technology**

**MLT - 19 : Histology & Cytology**

**Time: 2 Hours ]**

**[ Total Marks: 50**

**સૂચના : / Instructions**

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નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.  
Fill up strictly the details of signs on your answer book

Name of the Examination:

T.Y.B.Sc. (Sem. VI)

Name of the Subject :

Medical Laboratory Technology MLT - 19 : Histology & Cytology

Subject Code No.: 2103000206020073

Seat No.:

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Student's Signature

**Q-1 Answer in short (Any four)**

**(08)**

1. Which are types of specimen preparation?
2. Enlist steps of tissue processing.
3. Name the stains used in H & E staining technique. Cytoplasm is stained by \_\_\_\_\_ stain and nucleus is stained by \_\_\_\_\_ stain.
4. Explain imprint cytology.
5. Write full form and use of D.P.X.

**Q-2. Answer the following (Any two)**

**(14)**

1. Write a note on Specimen preparation.
2. Enlist and explain dehydrating agents
3. Enlist types of microtomes and write any two in detail.

**Q-3. Answer the following (Any one)**

**(12)**

1. What is fixation? Classify types of fixatives and explain compound fixatives in detail
2. Write an Essay on FNAC

**Q-4. Write short note (Any two)**

**(16)**

1. Decalcification
  2. Clearing process of tissue
  3. Specimen collection of exfoliative cytology.
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