

Seat No.: \_\_\_\_\_

Enrolment No. \_\_\_\_\_

**PARUL UNIVERSITY**  
**DEPARTMENT OF PARAMEDICAL AND HEALTH SCIENCES**  
**B.Sc. Med.Sci. April 2023 Examination.**

**Year: 2**

**Date: 04/04/2023**

**Subject Code: 19106202**

**Time: 10:00 am to 10:45 am**

**Subject Name: MLT MOD-2 Histopathology**

**Total Marks: 30**

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**Instructions:**

1. Attempt all questions from each section
2. Figures to the right indicate full marks.
3. Make suitable assumptions wherever necessary.

**Q.1: Definition (any 5 out of 6) (Each 1 Mark) 05**

- (i) Decalcification
- (ii) Fixation
- (iii) Ideal Clearing agent
- (iv) Source of Hematoxylin
- (v) Name of the chemical used for Embedding
- (vi) Full form of DPX

**Q.2: Short question (any 5 out of 6) (Each 2 Mark) 10**

- (i) Explain Embedding
- (ii) Classification of fixatives
- (iii) Mention list of Various Knives
- (vii) Characteristics of Ideal fixatives
- (v) Types of tissue processor
- (vi) Explain Frozen Section

**Q.3: Long question (any 3 out of 4) (Each 5 Mark) 15**

- (i) Write a detail note on Tissue Processing
- (ii) Write a detail note on H and E stain
- (iii) Write a detail note on techniques of decalcification
- (iv) Write a detail note on microtomy and various types of microtome