

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

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

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

**Year: 2**

**Date: 05/04/2023**

**Subject code: 19103203**

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

**Subject Name: CR MOD-3 Introduction to  
cardiac care technology**

**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) Define Retrograde junctional P wave
- (ii) What is Lown Ganong-Levine syndrome (L-G-L)
- (iii) P-mitrale vs P- pulmonale
- (iv) What is TMT machine state the uses
- (v) What will is left axis deviation in EKG
- (vi) What is U-wave

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

- (i) Explain WPW and its causes
- (ii) Briefly explain the Sokolw Lyon criteria of diagnosing LVH
- (iii) LBBB vs RBBB
- (iv) What are cardiac arrhythmias name examples
- (v) Write short notes on right ventricular hypertrophy
- (vi) What is Mitral valve prolapse?

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

- (i) Explain the fully the change in morphology of the QRS complex in left bundle branch block
- (ii) With diagrams(as it seen in ECG) describe all types Av blocks
- (iii) With the aid of diagram explain normal sinus rhythm (mention significance of each wave ,segments and intervals )
- (iv) Describe changes of MI in ECG (Specify the leads as example)