

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

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

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

**Year: 3**

**Date: 28/03/2023**

**Subject Code: 19112306**

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

**Subject Name: OM MOD-3 CLINICAL REFRACTION –II**

**Total Marks: 30**

**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 marks**
- (i) Define Anisometropia
  - (ii) Define Anisekonion
  - (iii) Define fogging
  - (iv) Give uses of 0.12D lens in trial set
  - (v) Name test for potential vision measurement
  - (vi) Describe range of prisms in trial set
- Q.2: Short question (any 5 out of 6) (Each 2 Mark) 10 marks**
- (i) Transpose (i)  $-1.00.-1.00 \times 10$ , (ii)  $0.00/-1.00 \times 180$
  - (ii) Give construction and uses of Maddox rod
  - (iii) What is stenopic slit, give its uses
  - (iv) Name techniques for Binocular balancing
  - (v) Describe advantages of LogMAR chart
  - (vi) Describe advantages of Snellen's Chart
- Q.3: Long question (any 3 out of 4) (Each 5 Mark) 15 marks**
- (i) Explain diagnosis and management of anisometropia.
  - (ii) Write shortnote on Objective refraction
  - (iii) Explain in detail astigmatic refining techniques
  - (iv) Write short note on Subjective refraction