

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: 19110203

Time: 10:00 am to 10:45 am

Subject Name: OM MOD-3 Clinical Refraction 1

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**
- (i) Name the mirror present in streak retinoscope?
 - (ii) Cardiff chart is used in which age group?
 - (iii) Choice of cycloplegic drug for a patient below 5yrs old?
 - (iv) What is the principle of duochrome?
 - (v) What are the two ways of doing binocular balancing?
 - (vi) Working power if retinoscopy is done at 40cm of distance?
- Q.2: Short question (any 5 out of 6) (Each 2 Mark) 10**
- (i) What is the procedure of amplitude of accommodation?
 - (ii) Different methods of giving presbyopic prescription?
 - (iii) Write any two prescriptions for patients with amblyopia?
 - (iv) Draw optical cross: $-2.00/-1.00 \times 180^\circ$?
 - (v) Explain JCC and procedure?
 - (vi) What will be the AA, if NPA is 12cm?
- Q.3: Long question (any 3 out of 4) (Each 5 Mark) 15**
- (i) Define subjective refraction?
 - (ii) What is retinoscopy and its principle?
 - (iii) A patient with 6/6 VA and headache. What will be investigation, diagnosis and management?
 - (iv) Define Binocular balancing?