

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

Year: 3**Date: 11-04-2023****Subject Code: 19112301****Time: 10:00 am to 1:00 pm****Subject Name: Optometry Paper 1****Total Marks: 70****Instructions:**

1. All questions are compulsory.
2. Figures to the right indicate full marks.
3. Make suitable assumptions wherever necessary.
4. Start new question on new page.

Q.1(A): Answer the following questions in details (2 out of 3) (Each worth 7.5 marks) 15

- (i) Explain in detail with diagram steps involved in sensory and motor evaluation of Squint
- (ii) Describe the procedure of subjective refraction, explain astigmatic refining in detail.
- (iii) What is Amblyopia? Describe its classification, diagnosis, and management

Q.1(B): Answer in short (5 out of 7) (Each worth 1 marks) 05

- (i) Define Anisekonia
- (ii) Define Horopter
- (iii) Give the use of Space Eikonometer
- (iv) Name any one instrument used for measurement of subjective angle of squint
- (v) Explain Harmonious ARC
- (vi) Transpose: +1.00/-2.00 x 20
- (vii) Name any two tests for diagnosis of suppression

Q.2(A): Write short notes on any of the following (3 out of 5) (Each worth 5 marks) 15

- (i) What is Binocular Vision? Explain in detail the grades of binocular vision and its advantages.
- (ii) What is convergence? Explain in detail the procedure of measurement of near point of convergence.
- (iii) What is visual acuity? Describe the advantages and disadvantages of Snellen's chart over the logMAR chart
- (iv) Explain etiology, clinical features, diagnosis, and management of Anisometropia
- (v) Write in detail about optical management of Pseudophakia

Q.2(B): Answer in short (5 out of 7) (Each worth 1 marks) 05

- (i) Describe the use of prism bar
- (ii) Superior oblique muscle is supplied by?
- (iii) Give full form of WFDT
- (iv) Define Phoria
- (v) Explain anisometropia
- (vi) Penalization is used in management of?
- (vii) Give use of atropine

Q.3: Write a detailed note on the following (2 out of 3) (Each worth 7.5 marks) 15

- (i) Write short note on anatomy of Extraocular muscles
- (ii) Write short note on clinical features, diagnosis and management of Anisekonia
- (iii) What is Lensometer? Describe procedure and utilization in objective refraction.

Q.4: Write short notes on any of the following (3 out of 5) (Each worth 5 marks) 15

- (i) What is Maddox rod? Explain its procedure
- (ii) Explain in detail diagnosis of ocular motility
- (iii) What is suppression? Explain any one test in detail for diagnosis of Suppression.
- (iv) What is Accommodation? Explain Procedure for measurement of near point of accommodation.
- (v) Explain in detail retinoscopy