



Name :

Roll No. :

Invigilator's Signature :

CS/B.OPTM/SEM-5/BO-501/2011-12

2011

BINOCULAR VISION & OCULAR MOTILITY

Time Allotted : 3 Hours

Full Marks : 70

The figures in the margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

GROUP – A

(Multiple Choice Type Questions)

1. Choose the correct alternatives for any *ten* of the following : 10 × 1 = 10
- i) Binocular disconjugate ocular movement in opposite direction is
 - a) version
 - b) vergence
 - c) duction
 - d) torsion.
 - ii) Maddox rod measures
 - a) Phoria
 - b) Tropia
 - c) Paralytic strabismus
 - d) False projection in paralytic strabismus.
 - iii) Compensatory head tilt, for a left lateral rectus palsy is towards the side.
 - a) face turn to right
 - b) face turn to right with chin depressed
 - c) face turn to left
 - d) none of these.

5020

[Turn over



- x) Patient of Paralytic strabismus may have
- a) false projection
 - b) diplopia
 - c) incomitance
 - d) all of these.
- xi) External ophthalmoplegia is due to
- a) Paralysis of all six extraocular muscles
 - b) Paralysis of levator palpebrae superioris
 - c) both (a) and (b) and accommodation paralysis
 - d) both (a) and (b).
- xii) In Paralytic squint, the secondary angle of deviation is primary deviation.
- a) more than
 - b) less than
 - c) equal to
 - d) double

GROUP – B

(Short Answer Type Questions)

Write short notes on any *three* of the following. $3 \times 5 = 15$

2. Monocular clues for depth perception.
3. Hirschberg test.
4. Hypothesis of Pannum.
5. Prismatic effect in spectacle lenses.
6. Local & global stereopsis.



GROUP – C

(Long Answer Type Questions)

Answer any *three* of the following. $3 \times 15 = 45$

7. Explain briefly the mechanism of Supra Nuclear control of eye movements.
8. Discuss the role of a synaptophore in the evaluation of Binocular single vision. Draw the slide diagram used for Binocular single vision evaluation.
9. What are dissimilar target tests ? Describe Hess's screen test in detail along with its interpretation.
10. Explain Park's three step test. A patient has right hypertropia, left head tilt and right face turn. What is the diagnosis ? Explain your answer. $7 + 8$

