



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 :  $10 \times 1 = 10$
- 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.





- x) Patient of Paralytic strabismus may have
- a) false projection
  - b) diplopic
  - c) incomitance
  - d) all of these.
- xi) External ophthalmoplegia is due to
- a) Paralysis of all six extraocular muscles
  - b) Paralysis of levator palpebrae superiors
  - 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.  $7 + 8$

