

**2023**  
AUGUST

### Binocular Single Vision

Full Marks - 80

Time - 3 Hours

*The figures in the margin indicate full marks for the questions*

*Answer all questions*

- 1) Fill in the blanks: [1X10=10]
- Binocular reflexes are well developed by the age of \_\_\_\_\_.
  - Non-corresponding points on the retina are called \_\_\_\_\_.
  - Versions are \_\_\_\_\_.
  - \_\_\_\_\_ deviation of the normal eye when the parietic eye is fixing and is more \_\_\_\_\_.
  - Herring's law is related to \_\_\_\_\_ muscle.
  - Dampening of convergence is seen in \_\_\_\_\_ nystagmus.
  - Amblyopia is due to \_\_\_\_\_.
  - Retinal blur is a stimulus for \_\_\_\_\_.
  - \_\_\_\_\_ is the dioptric power difference between far point and near point.
  - Myopic far point is at \_\_\_\_\_.
- 2) State True or False: [1X10=10]
- The Maddox wing check only near phoria
  - The Baglion's test is used to check ARC
  - Hirschberg test is not useful in children
  - Crowding phenomenon is also known as separation difficulty
- 3) Answer ANY THREE of the following questions: [10X3=30]
- Define diplopia. Write in detail about different types of diplopia.
  - What is convergence? Name four anomalies of convergence. How will you assess and manage a case of convergence insufficiency?
  - What is Binocular vision? What are the grades of Binocular vision, Explain in detail.
  - Write in detail about nystagmus.
- 4) Write short notes on (any five): [5X6=30]
- Functional amblyopia
  - Abnormal Retinal correspondence
  - Accommodative insufficiency
  - Axes of Fick
  - Superior oblique
  - Suppression
  - Actions of extra ocular muscles
- e) Action of superior oblique muscle is extorsion, elevation and abduction
- f) Suppression is a cortical phenomenon
- g) In levo elevation right inferior oblique and left superior rectus are a pair of yoke muscle
- h) Hess charting test requires red green glasses
- i) Unharmonious ARC is present when the angle of anomaly equals the subjective angle of deviation
- j) Retinal rivalry is not a prerequisite for Binocular single vision

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