

VINAYAKA MISSION'S RESEARCH FOUNDATIONS, SALEM
(Deemed to be University)

B.OPTOMETRY DEGREE EXAMINATION – February 2020
Third Year

GERIATRIC OPTOMETRY AND PEDIATRIC OPTOMETRY

Time: Three hours

Maximum: 80 marks

I Choose the correct answer

(10 x 1 = 10)

1. Buphthalmos is seen in congenital _____
 - a) Cataract
 - b) Ptosis
 - c) Esotropia
 - d) Glaucoma
2. Atropine eye drops causes the following EXCEPT
 - a) Paralysis of accommodation
 - b) Pupillary dilatation
 - c) Blurred near vision
 - d) Miosis
3. Typical iris coloboma occurs in _____ quadrant.
 - a) Inferonasal
 - b) Superonasal
 - c) Inferotemporal
 - d) Superotemporal
4. Uncorrected aphakia can lead to _____
 - a) Amblyopia
 - b) Myopia
 - c) Increase in corneal curvature
 - d) Pseudomyopia
5. For a 2 year old _____ of astigmatism requires correction.
 - a) 1.00 D
 - b) 1.50 D
 - c) 3.00 D
 - d) 2.00 D
6. In the process of emmetropisation following changes occurs EXCEPT
 - a) Axial length increase
 - b) Corneal curvature steepens
 - c) Corneal curvature flattens
 - d) Lens curvature flattens
7. The diseases mentioned below could be age related EXCEPT _____
 - a) Macular degeneration
 - b) Cataract
 - c) Central Serous Retinopathy
 - d) Lebers Amaurosis
8. Aphakic spectacle lens causes the following EXCEPT _____
 - a) Minification
 - b) Ring scotoma
 - c) Pin cushion effect
 - d) Spherical aberrations
9. Visual field in elderly population
 - a) Size of visual field decreases
 - b) Sensitivity increases
 - c) No changes occur
 - d) Only inferior field decreases
10. Amplitude of Accommodation can be tested with _____
 - a) Minus lens to blur method
 - b) NPC
 - c) Accommodative flippers
 - d) NRA

(p.t.o)

II State whether the following statements are **TRUE** or **FALSE** (10 x 1 = 10)

1. Cardiff cards use preferential looking principle.
2. Poor vision at birth may cause nystagmus.
3. In Albinism, sensitivity to light decreases.
4. Dermoids can cause astigmatism.
5. New born babies are commonly myopic.
6. Vascular disorders can cause III nerve palsy.
7. With aging retinal nerve fiber layers increases in thickness.
8. WFDT is used to test fusion.
9. Lead or lag of accommodation can be identified with PRA.
10. Negative relative accommodation indirectly measures negative fusional vergence.

III Fill in the blanks: (10 x 1 = 10)

1. Duochrome is based on principle of _____
2. An adhesion between margins of upper and lower lids is known as ____.
3. The muscles having opposite action in same eye is _____
4. _____ of accommodation is present in pseudomyopia.
5. ARMD stands for _____.
6. In congenital esotropia _____ muscle over action is noticed.
7. Second sight is caused by ____ cataract.
8. Prescription of full hyperopic correction is required in _____ esotropia.
9. Arcus senilis forms on the _____
10. _____ stereopsis plate has monocular cues.

IV Write any **FIVE** answers of the following: (5 x 6 = 30)

1. Ocular Albinism.
2. Prescribing guidelines of Myopia.
3. Birth history.
4. Tests for accommodation.
5. Retinopathy of prematurity.
6. Cataract investigation.
7. Diabetic Retinopathy.

V Write any **TWO** essays of the following: (2 x 10 = 20)

1. Retinoblastoma.
2. Amblyopia.
3. Degenerative macular disorder.