

BACHELOR OF CLINICAL OPTOMETRY
III-B. Optometry Sem-V : WINTER :- 2021
SUBJECT: BINOCULAR VISION

Day : Monday
Date 7/3/2022

W-847-2021

Time : 10:00 AM-01:00 PM
Max. Marks: —

Note : Section – A is given on a separate sheet and has to be answered on the same sheet. This sheet should be completed within the first 30 minutes of starting of the examinations. This sheet with Section – A only will be collected by Supervisor.

Seat No.: _____

Date : _____

SECTION – A

Q. 1 Fill in the blanks: **(10)**

- 1) Foveo-foveolar suppression takes place to avoid _____.
- 2) Diploscope is based on principle of _____.
- 3) _____ is used for measurement of visual acuity in infants.
- 4) Yoke muscle for dextro depression gaze are _____ & _____.
- 5) To check negative fusional Vergence _____ prism is used.
- 6) When 2 dissimilar objects simultaneously stimulate 2 corresponding retinal points _____ occurs.
- 7) _____ is used to measure eccentric fixation.
- 8) Muscle responsible for pupil constriction is _____.
- 9) _____ is used to measure the disparity in retinal image size.
- 10) The three types of fixation movements are _____, _____ and _____.

P. T. O.

Q.2 State **True** or **False** (If false give reason) **(10)**

- 1) Field of fixation is possible by moving eye and head.
- 2) The axis on Listing's plane along which torsional movement of eye occurs is Z – axis.
- 3) Inverse occlusion is given to patients with obligatory suppression.
- 4) Base out prisms are used to give abduction exercise.
- 5) Crowding phenomenon is found in patients with unharmonious ARC.
- 6) Vergence is conjugate binocular movements.
- 7) Fusional convergence maintains the eyes in straight ahead position in primary gaze.
- 8) The retino motor value of retinal element decreases from centre to periphery.
- 9) Homonymous diplopia is seen in exotropia.
- 10) SCCO Test is used to check fusional Vergence.

Signature of the Invigilator: _____

Signature of the Examiner : _____

Total Marks Obtained : _____

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N. B. :

- 1) There are **THREE** sections as:
Section – A = Objective types questions = 20 marks
Section – B = Long questions = 20 marks
Section – C = Short questions = 30 marks
 - 2) **Section – A** is given on a **SEPARATE** sheet and has to be answered on the same.
 - 3) **Section – B** has Long questions and **ANY TWO** questions have to be answered on the **SEPARATE** answer sheets.
 - 4) **Section – C** has Short questions and **ANY FIVE** questions have to be answered on the **SEPARATE** answer sheets.
 - 5) Draw neat diagram **WHEREVER** necessary.
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SECTION – B

Q. 2 Answer **ANY TWO** of the following: **(20)**

- 1) Define ARC. Explain its types and management in detail.
- 2) Write a short note on suppression.
- 3) Write about treatment of amblyopia with central fixation in detail.

SECTION – C

Q. 3 Answer **ANY FIVE** of the following: **(30)**

- 1) Write a note on convergence insufficiency.
- 2) Explain the difference between ill sustained accommodation and inertia of accommodation.
- 3) Explain physiological diplopia and its clinical significance.
- 4) What is stereopsis? Explain the physiologic basic of stereopsis. What are the monocular clues to spatial orientation?
- 5) Explain the anatomy and physiology of left eye superior oblique muscle.
- 6) Explain Herring's and Sherrington's law with example.

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