

BACHELOR OF CLINICAL OPTOMETRY
I-B. Optometry Sem-II : WINTER- 2022
SUBJECT : EYE ANATOMY & PHYSIOLOGY (T)

Day : Thursday

Time : 10:00 AM-01:00 PM

Date : 8/12/2022

W-831-2022

Max. Marks : 20

N.B.:

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

Seat No. _____

Date: _____

SECTION –A

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

- a) Lens is derived from _____.
- b) Mucin layer of tear film is secreted by _____
- c) Axons of _____ cells continue as optic nerve fibers.
- d) _____ is the point of maximum visual acuity.
- e) Normal intra ocular pressure is _____.
- f) The trichomacy of colour vision was suggested by _____.
- g) Function of pigmented epithelium in retina _____.
- h) Ligament of Wieger is present in _____.
- i) The sclera is thickest at _____.
- j) Macules luteal corresponds to _____ degree of visual field.

Q.2 State **True** or **False**: **(05)**

- a) Weight of adult eye ball is 25 gms.
- b) Trochlear nerve is motor nerve.
- c) Retina is a sensory coat of eye.
- d) Sclera is highly vascularized.
- e) Snellen chart is used to measure visual acuity

Q.3 Match the following: **(05)**

- | | |
|---------------------|---------------------|
| a) Xerophthalmia | i) Trochlear |
| b) Superior oblique | ii) Lamina cribrosa |
| c) Medial rectus | iii) Oculomotor |
| d) Lateral rectus | iv) Vitamin A |
| e) Sclera | v) Abducent |

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- 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** sheet. This sheet should be completed with the first 30 minutes of starting of the examination. This sheet with **Section –A** only will be completed by the Supervisor.
 - 3) **Section –B** has three long questions are **ANY TWO** questions have to be answered on the **SEPARATE** answer sheet.
 - 4) **Section –C** has short questions are **ANY FIVE** questions have to be answered on the **SEPARATE** answer sheet.
 - 5) Draw neat labelled diagrams **WHEREVER** necessary.
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SECTION-B

- Q.4** Attempt any **TWO** of the following: **(20)**
- a) Describe the anatomy of retina with suitable diagram.
 - b) Enumerate extra ocular muscle. Describe nerve supply and action of each.
 - c) Describe anterior chamber of eye and add a note on aqueous out flow system.

SECTION-C

- Q.5** Write short notes on any **FIVE** of the following: **(30)**
- a) Tear film
 - b) Uvea
 - c) Protective mechanism in eye
 - d) Visual field defects
 - e) Conjunction
 - f) Coats of eye ball

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