

I - B - OPTOM. Sem-II: WINTER - 2017
SUBJECT : EYE ANATOMY AND PHYSIOLOGY

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 examination. This sheet with Section – A only will be collected by the supervisor.

No. _____

Date : 27-11-2017

W-2017-3470

SECTION – A

Q. 1 Fill in the Blanks: (10)

- a) Aqueous from anterior chamber is drained out by _____ outflow.
- b) Main source of energy in lens is _____.
- c) Jaeger's chart is used for measurement of _____ vision.
- d) The distance between near point and far point is called _____ of accommodation.
- e) Light reflex absent but near reflex is present in _____ pupil.
- f) Partial loss of sight in one or both eyes is known as _____.
- g) Pinkish crescentic fold of conjunctiva present in medial canthus is _____.
- h) Involuntary sustained and forceful closure of eyelids is called as _____.
- i) The central depressed part of macula is _____.
- j) Vasopressin at physiologic level causes _____ in aqueous outflow.

Q. 2 State True or False: (05)

- a) Depression of pupillary unrest is called as hippus.
- b) Xerophthalmia is caused by deficiency of Vit. A.
- c) Volume of aqueous is about 0.31 ml.
- d) Anterior most part of uveal tract is iris.
- e) Lens capsule has elastic tissue.

Q. 3 Match the following: (05)

- | | |
|---|---------------------------|
| a) Innermost layer of choroid | i) Stereopsis |
| b) b wave in ERG | ii) Dichoptic stimulation |
| c) Different stimulation in two eyes | iii) Fovea |
| d) Highest density of cones | iv) Brucine's membrane |
| e) Appreciation of three dimensions in binocular vision | v) Mullers cells |

Marks Obtained: _____

Signature of Invigilator: _____

Signature of Examiner : _____

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I -B.OPTOM. SEM – II : WINTER - 2017
SUBJECT : EYE ANATOMY AND PHYSIOLOGY

Day : **Monday**
Date : **27/11/2017**

W-2017-3470

Time : **02.00 PM TO 05.00 PM**
Max. Marks : 70

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 sheet. This 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.
 - 3) **Section – B** has three long questions and any two questions have to be answered on the separate answer sheet.
 - 4) **Section – C** has short questions and **ANY FIVE** questions have to be answered on the **SEPARATE** answer sheet.
 - 5) Draw neat and labelled diagrams **WHEREVER** necessary.
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SECTION – B

- Q. 4** Answer **ANY TWO** of the following: **(20)**
- a) With a suitable diagram describe coats of eyeball. Describe in brief outer coat.
 - b) Describe anatomy of ciliary body. Write a note on accommodation.
 - c) Describe Ocular circulation.

SECTION – C

- Q. 5** Answer **ANY FIVE** of the following: **(30)**
- a) Physiology of eyelid movements
 - b) Near reflex
 - c) Corneal transparency
 - d) Structure of Iris
 - e) Intraocular pressure
 - f) Colour vision

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