

I-B.Optom.Sem-II- SUMMER-2019
SUBJECT : EYE ANATOMY AND PHYSIOLOGY

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
examination. This sheet with section A only will collected by the supervisor.

S-2019-4002

Seat No: _____

Date: 08-04-2019

SECTION - A

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

- i) Pigment cells are present in _____ layer of eyeball.
- ii) Central hard part of lens is _____ of lens.
- iii) Light reflex absent but near reflex is present in _____ pupil.
- iv) Lacremal canaliculae opens into _____.
- v) Retina is developed from two layers of _____.
- vi) _____ layer or membrane covers the vitrous body.
- vii) Radius of curvature of anterior surface of cornea is _____ mm.
- viii) The primitive eye formation occurs during the _____ week of gestation.
- ix) Type of epithelium in cornea is _____.
- x) _____ is the point of maximum visual acuity.

B) State True or False (05)

- i) Lens fibers are formed by anterior epithelium of lens.
- ii) Roof of orbit is not related to anterior cranial fossa.
- iii) Appreciation of three dimensions in binocular vision is called as stereopsis.
- iv) Mullers cells form b wave in ERG.
- v) Fovea has highest density of Rods.

C) Match the following: (05)

- | | |
|--------------------------------------|--------------------------|
| i) Crystalline lens | a) Bruche's membrane |
| ii) Tear film | b) Ectoderm |
| iii) Innermost layer of choroid | c) Hemianopia |
| iv) Partial loss of sight in one eye | d) Bitemporal hemianopia |
| v) Lesion at optic chiasma | e) Lipid layer |

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I -B.OPTOM. SEM – II : SUMMER - 2019
SUBJECT : EYE ANATOMY AND PHYSIOLOGY

Day : Monday
Date : 08/04/2019

Time : ~~10:00 AM~~ TO 1:00 P.M
Max. Marks : 70

S-2019-4002

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 within 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 3 long questions and **ANY TWO** questions have to be answered on the separate answer sheet.
- 4) **Section C** has 6 short questions and **ANY FIVE** questions have to be answered on the separate answer sheet.
- 5) Draw neat and labeled diagram.

SECTION – B

- Q. 2** Answer in detail **ANY TWO** of following: **(20)**
- i) Describe theories of colour vision and discuss methods of detecting colour blindness.
 - ii) Enumerate extra ocular muscle and describe their actions.
 - iii) Describe papillary reflexes.

SECTION – C

- Q. 3** Write **ANY FIVE** of following: **(30)**
- i) Microscopic structure of eyelid
 - ii) Lacremal apparatus
 - iii) Development of lens
 - iv) Tear film
 - v) Vitreous humor
 - vi) Sclero – corneal junction

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