

I. B. Optom. Sem. II: Winter-2018

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 be collected by the supervisor.

W-2018-3720

Day: Thursday

Seat No: _____

Date: 22-11-2018

SECTION - A

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

- i) _____ is the point of maximum visual acuity.
- ii) _____ orbital fissure is present at the junction of roof and lateral wall.
- iii) Central hard part of lens is _____ of the lens.
- iv) Lacremal canaliculae opens into _____.
- v) _____ is the thickest layer in cornea.
- vi) Axons of _____ cells continue as optic nerve fibers.
- vii) Normal intraocular pressure is _____.
- viii) Refractive index of lens is _____.
- ix) Appreciation of three dimensions in binocular vision is called as _____.
- x) Total length of superior oblique muscle is _____ mm.

B) State True or False (05)

- i) Fovea is avascular zone.
- ii) Roof of orbit is related to anterior cranial fossa.
- iii) Nasolacrimal duct is guarded by valve of Husner.
- iv) Lens fibers are formed by anterior epithelium of lens.
- v) Tears are secreted in lacremal sac.

C) Match the following: (05)

- | | |
|---------------------|-----------------------------|
| i) Vasoconstriction | a) Pterigopalatine ganglion |
| ii) Lacremal gland | b) Second cranial nerve |
| iii) Optic nerve | c) Adrenaline |
| iv) Lateral rectus | d) Canal of schlemn |
| v) Aquous humor | e) Abducent nerve |

I -B.OPTOM. SEM – II : WINTER - 2018
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Day : Thursday
Date : 22/11/2018

Time : 10.00 AM TO 01.00 PM
Max. Marks : 70

W-2018-3720

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 development of eyeball.
 - ii) Draw and label anterior chamber. Add a note on aqueous outflow system.
 - iii) Discuss factors affecting corneal transparency.

SECTION – C

- Q. 3** Write **ANY FIVE** of following: **(30)**
- i) Actions of extra ocular muscles
 - ii) Structure of eyelid
 - iii) Photoreceptors
 - iv) Tear film
 - v) Accommodation reflex
 - vi) Light and dark adaptation

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