

III-B.OPTOM-SEM-V : WINTER-2017

SUBJECT: CONTACT LENSES (I)

Note: Section-A is given on a SEPARATE sheet and has to be answered On the same sheet. The 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.

Seat No _____ W-2017-3479 Day & Date: Monday-27-11-2017

SECTION-A

Q.1 Fill in the blanks: (10)

- 1) _____ °C is the closed eye temperature.
- 2) With each blink _____% of tears are exchanged under the RGP C.L.
- 3) Use of contact lenses in aphakia reduces the magnification to _____%.
- 4) Decreasing the sag value _____ lens fit.
- 5) The center of gravity _____ if T.D. is increased.
- 6) In the preliminary examination, the measurement of the pupil diameter is important for the determination of _____.
- 7) Vertical dumbbell type fluorescein pattern is seen in _____.
- 8) Contact lenses are best suitable option for _____ type of refractive errors.
- 9) The total diameter of RGP lens can be measured by _____.
- 10) In RGP lens fitting, central fluorescein bearing and peripheral edge clearance indicate _____.

Q.2 State True or False: (10)

- 1) 3 & 9 o'clock staining can occur due to poor wettability.
- 2) Ptosis can be a long term complication of RGP lens wear.
- 3) As a general rule RGP total diameter is selected smaller than HVID.
- 4) RGP's are contraindicated in children.
- 5) Fluorescein is used in static fitting assessment of RGP lenses.
- 6) A patient with small pupil size and large optic zone diameter will complain of flare.
- 7) A Myope shifting from spectacles to contact lenses will used less accommodation.
- 8) Peripheral curves are flatter as compared to central curve in RGP lenses.
- 9) Reducing TD of RGP lens without altering its BOZR can be result in increased lens movement.
- 10) Radiuscope is used to measure the BOZD of RGP lens.

III -B.OPTOM. SEM – V : WINTER - 2017

SUBJECT: CONTACT LENSES (I)

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

W-2017-3479

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

N.B:

- 1) There are **THREE** section as.
Section-A = Objectives type questions.
Section-B= Long questions
Section-C= Short questions
- 2) **Section A** is given on **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 an 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 3 short questions and **ANY FIVE** questions have to be Answered on the separate answer sheet.
- 5) Draw neat and labeled diagrams **WHEREVER** necessary.

SECTION-B

Q.3 Attempt **ANY TWO** of the following: **(20)**

- 1) Explain and compare the fitting characteristics seen in optimum, steep & flat fit RGP contact lenses with diagram.
- 2) Make a list and explain various pre-fitting tests that are done before finalizing RGP contact lens.
- 3) Mention in detail about complications of RGP C.L. wear and also their management.

Q.4 Attempt **ANY FIVE** of the following: **(30)**

- 1) Explain the microscope structure of tear film with its function.
- 2) What is the significance of tear film present in between RGP lens and cornea and how it affects the optics of lens wearing?
- 3) Explain contraindications & Indications of contact lens wear.
- 4) Write a note on checking & verification of RGP contact lens after ordering, also explain about alterations that can be made afterwards.
- 5) What is the importance of DK/t and wettability in C.L. wear?
- 6) Write about instructions needs to be given for the first time C.L. wearer.