

BACHELOR OF CLINICAL OPTOMETRY
III-B. Optometry Sem-V : WINTER- 2022
SUBJECT : CONTACT LENSES (T)

Day : Monday

Time : 10:00 AM-01:00 PM

Date : 12/12/2022

W-846-2022

Max. Marks : **20**

N.B :

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 Supervisors.

Seat No. : _____

Date :

SECTION – A

Q.1 Fill in the blanks : **(20)**

- a) The significance of the CPC in a tri-curve RGP CL design is _____.
- b) Extended wear contact lenses are defined as _____.
- c) The BOZD of an RGP CL should be _____.
- d) _____ is an invasive technique for assessing the tear film.
- e) Fitting on K means fitting the contact lens on _____ K reading.
- f) Radiuscope is used to verify _____ parameter of a CL.
- g) The holes drilled into contact lens for oxygen transmissibility are known as _____.
- h) In-vivo measurement of wettability can be done by _____.
- i) Piggy back lenses are _____.
- j) In post-fitting evaluation of RGP lenses we say the CL is stable when _____.
- k) PQ -1 stands for _____.
- i) The criteria for a contact lens to pass the 'Regimen Test' is _____.

P.T.O.

- m) In flat-fitted RGP lenses, the post-blink movement is _____.
- n) _____ is the most preferred method of manufacturing rigid lenses.
- o) Lipid deposits can be managed by using _____.
- p) The unit of Dk is _____.
- q) The average normal blink rate is _____.
- r) Silicone is added to a contact lens material to increase its _____.
- s) The most common indications of RGP lens is _____.
- t) The CL are said to be ionic when _____.

Signature of the Invigilator : _____

Signature of the Examiner : _____

Total Marks Obtained : _____

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Max. Marks : **50**

N.B.:

- 1) There are Three sections as
Section -A = Objective Type questions **20 Marks.**
Section -B = Long Answer Questions **20 Marks.**
Section -C = Short Answer Questions **20 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 six short questions and **Any FIVE** questions have to be answered on the separate answer sheet.
 - 5) Draw neat labeled diagrams **WHEREVER** necessary.
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SECTION – B

- Q.2** Answer **ANY TWO** of the following **(20)**
- a) Explain how the accommodation and convergence is different in contact lenses compared to spectacles in both myopic and hyperopic patients.
 - b) Enlist all the complications of RGP lens wear. Explain any two in detail.
 - c) Write in detail about various contact lens material properties.

SECTION – C

- Q.3** Write a short note on **ANY FIVE** of the following: **(30)**
- a) Explain the significance of history taking and tear function test before fitting contact lenses.
 - b) Write a note on dynamic and static fitting characteristics of an RGP lens.
 - c) Write a short note on CL deposits.
 - d) Explain various manufacturing processes of RGP lenses.
 - e) Explain the importance of tear lens in fitting RGP lenses with an example.
 - f) Write a note on various RGP lens materials.

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