

**III – B. OPTOM. SEM – VI : SUMMER – 2022**  
**SUBJECT : CONTACT LENSES (II)**

Day : Monday Time : —  
Date : 11-07-2022 S-851-2022 Max. Marks : 20

**Note:** Section – A is given on a separate sheet and has to be answered the same sheet. This sheet should be completed within the first 30 minutes of starting of the examinations. This sheet with Section – A only will be collected by Supervisor.

**SECTION – A**

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

- a) As per the FDA classification of soft CLs, group 5 – A is \_\_\_\_\_
- b) The unit of Dk is \_\_\_\_\_
- c) PVP stands for \_\_\_\_\_
- d) In 'stabilized soft molding' manufacturing process, \_\_\_\_\_ is added to the lens monomers.
- e) \_\_\_\_\_ product is an example of third generation Si-Hy soft CL.
- f) Senofilcon A is converted from hydrophobic state to hydrophilic by \_\_\_\_\_
- g) CLARE is associated with \_\_\_\_\_ bacteria.
- h) Air Optix utilizes \_\_\_\_\_ design for stabilization.
- i) Extend wear contact lenses are defined as \_\_\_\_\_
- j) One of the primary indication for scleral lenses is \_\_\_\_\_

**Q. 2** State True or False. If False, give appropriate reasons. (05)

- a) High water content soft CLs restore the shape faster following deformation.
- b) PHEMA is a high water content CL material.
- c) The blinking frequency is more in adults than in paediatric age group.
- d) CLs are contra-indicated in patients with reduced sensitivity to light.
- e) The Low Add in multifocal CLs ranges from + 0.50 D to + 1.00 D.

**Q. 3** Match the following: (05)

- |                         |                          |
|-------------------------|--------------------------|
| i) Acuvue Oasys         | a) Plasma oxidation      |
| ii) Biofinity           | b) Daily disposable      |
| iii) Pure Vision 2 HD   | c) Hydraclear technology |
| iv) Clarity 1 day       | d) Hydrogel lens         |
| v) Soft lens multifocal | e) Cooper vision         |
|                         | f) Yearly disposable     |

**Total Marks Obtained:** \_\_\_\_\_

**Signature of the Invigilator:** \_\_\_\_\_

**Signature of the Examiner:** \_\_\_\_\_

**BACHELOR OF CLINICAL OPTOMETRY**  
**III-B. Optometry Sem-VI :SUMMER- 2022**  
**SUBJECT : CONTACT LENSES**

Day : Monday  
Date : 11/7/2022

**S-851-2022**

Time : 02:00 PM-05:00 PM  
Max. Marks : 50

**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 **SEPARATE** sheet and has to be answered on the same.
- 3) **Section – B** has long questions and **ANY TWO** questions have to be answered on the **SEPARATE** sheets.
- 4) **Section – C** has short questions and **ANY FIVE** questions have to be answered on the **SEPARATE** sheets.
- 5) Draw neat and labelled diagrams **WHEREVER** necessary.

**SECTION – B**

- Q. 4** Answer **ANY TWO** of the following: **(20)**
- a) Explain the various contact lens options for keratoconus patient.
  - b) Explain the various complications related to soft contact lenses.
  - c) Describe various options available to presbyopic person who wishes to use contact lenses.

**SECTION – C**

- Q. 5** Answer **ANY FIVE** of the following: **(30)**
- a) Describe the FDA classification for soft contact lenses.
  - b) What pre-fitting examinations will you conduct before you decide to fit soft contact lenses?
  - c) What is ortho-keratology? Discuss its advantages and disadvantages.
  - d) List the components of the all in one soft lens care solution and their actions.
  - e) Differentiate between steep and flat fitting soft contact lenses.
  - f) How do you assess the suitability of the patient before fitting the soft contact lenses?

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