

III- B. Optom Sem-VI: Winter- 2018

SUBJECT : CONTACT LENSES (II)

W-2018-3732

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 Section-A only will be collected by the Supervisor.

Seat No. : _____

Day : Wednesday
Date : 17-10-2018
Max. Marks : 20

SECTION-A

Q. 1 A) True or False: (10)

- a) If a lens is too steep, vision is blurred immediately after a blink.
- b) Piggy back contact lenses contain RGP contact lens over soft conduct lens.
- c) Engravings in toric lenses indicate the axis of cylinder.
- d) EDTA agent is used to remove calcium compounds.
- e) Silicon Hydrogel contact lens are prone to lipid deposits.
- f) Captive bubble test is used to check the wettability angle in soft contact lens.
- g) Microcysts are easily detected by Marginal Retro illumination.
- h) Corneal Astigmatism is better corrected with soft CL than RGP CL.
- i) Hydranate is chemical present in Renu Fresh Multipurpose Solution.
- j) Monovision is best suitable for patients over age of 60 years only.

B) Fill in the blanks. (10)

- a) In push up test for assessing the tightness of the lens, 100% represents _____.
- b) Endothelial cell edema is known as _____.
- c) Holden-Mertz (1984) criteria states that the minimum DK/t required for extended wear is _____.
- d) _____ is present as a U. V. blocker in soft contact lens.
- e) Thinning of lens of superior and inferior area is feature of _____ toric stabilization design.
- f) A patient's right eye has ocular astigmatism at axis 15. A trial contact lens placed on the eye rotates 10 degrees clockwise _____ cylinder axis should be ordered for final lens.
- g) CLPU is caused due to _____ type of Bacteria.
- h) For every 0.5 mm increase soft lens diameter one should increase _____ in Base Curve to Maintain the same fitting characteristics.
- i) The CO_2 permeability of hydrogels is _____ x their O_2 permeability.
- j) Burton lamp is used to check _____.

Signature of Invigilator _____

Total Marks Obtained _____

Signature of the Examiner _____

III -B.OPTOM. SEM - VI : WINTER - 2018

SUBJECT : CONTACT LENSES (II)

Day : Wednesday
Date : 17/10/2018

W-2018-3732

Time : 10.00 AM TO 01.00 PM
Max. Marks : 50

N.B. :

- 1) There are **THREE** section as;
Section-A = Objectives type 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** 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 3 long questions and any **TWO** questions have to be answered on the **SEPARATE** answer sheet.
- 4) **Section-C** has short questions and any **FIVE** questions have to be answered on the **SEPARATE** answer sheet.
- 5) Draw neat labeled diagrams **WHEREVER** necessary.

SECTION- B

Q. 2 Answer any **TWO** of the following: **(20)**

- a) Tabulate the details of fitting assessment in steep fit, flat fit and optimum fit with toric soft contact lens.
- b) What is presbyopia? Describe the options to correct presbyopia with contact lens available in India.
- c) Discuss tear and non-tear related deposits.

SECTION- C

Q. 3 Answer any **FIVE** of the following: **(30)**

- a) Note on contact lens induced papillary conjunctivitis.
- b) Note on Hydrogen Peroxide System.
- c) Write a note on Planned Replacement Lenses.
- d) In soft contact lens, explain the following :
i) Total Diameter ii) BOZR iii) Water content
- e) Tabulate on soft silicon Hydrogel available in India.
- f) Note on Tinted contact lens.

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