	Utech
Name:	
Roll No.:	To divine the sample and tradeout
Invigilator's Signature :	

CS/B.OPTM/SEM-6/BO-604/2011 2011 CONTACT LENS – II

Time Allotted: 3 Hours Full Marks: 70

The figures in the margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

GROUP - A

(Multiple Choice Type Questions)

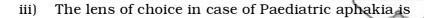
1. Choose the correct alternatives for any *ten* of the following :

 $10 \times 1 = 10$

- i) Prism ballast stabilization method is used in
 - a) B and L optima ToricTM
 - b) Hydroflex TSTM
 - c) Sof-From 55 ToricTM
 - d) WJ Opti FitTM.
- ii) Which of the following is not characteristic of a good soft contact lens fit?
 - a) post blink movement of 0.75 mm
 - b) improved vision immediately after a blink
 - c) complete corneal coverage
 - d) front-surface keratometry showing clear and regular mire reflections.

6340 [Turn over

CS/B.OPTM/SEM-6/BO-604/2011



- a) Silicone elastomers
- b) RGP
- c) Hydrogel
- d) Hybrid lens.
- iv) What is the best way for a patient to remove RGP lens lipid deposits?
 - a) Use enzymatic cleaner weekly
 - b) Polishing the lens surface
 - c) Switch hydrogen peroxide disinfection
 - d) Using an alcohol based surfactant cleaner.
- v) A distance contact lens is fitted to one eye and a near contact lens is fitted to the other. This method of correction is known as
 - a) mono-vision
- b) simultaneous vision
- c) alternating vision
- d) modified vision.
- vi) All are true about silicone hydrogel lens except
 - a) high Dk/t
 - b) low protein deposits
 - c) high moduls of elasticity
 - d) high water content.
- vii) Jelly bump deposits can be got rid of by
 - a) using alcohol based disinfection
 - b) using enzyme tablet
 - c) by changing the solution
 - d) by discarding the contact lens.

6340 2

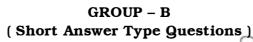


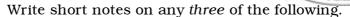
viii) In case of inventory method of soft. CL fitting

- a) large stock is needed
- b) trial lens sets are used
- c) over refraction is performed
- d) lens with final parameters ordered to the company.
- ix) Which of the following parameters are verified using lensometers?
 - a) Base curve
 - b) Diameter
 - c) Optic zone
 - d) Power
 - e) None of these.
- x) By push up test whet do you measure in a CL?
 - a) Fitting of lens
 - b) Power of the lens
 - c) Wettability of the lens
 - d) Material property of the lens
 - e) none of these.
- xi) Which one of the following is not a disinfecting method of CL?
 - a) Heating
- b) Peroxide
- c) Chemical
- d) Protein Removal.

6340 3 [Turn over

CS/B.OPTM/SEM-6/BO-604/2011





 $3 \times 5 = 15$

- 2. Bifocal contact lenses.
- 3. Indications of contact lens in children.
- 4. Surface design and Toric soft contact lens stabilization methods.
- 5. Multipurpose CL solution.

GROUP - C

(Long Answer Type Questions)

Answer any *three* of the following.

 $3 \times 15 = 45$

- 6. Write about the fitting procedure of "Bifocal soft contact lens". Explain the term 'BOZR' with respect to "Back surface toric" soft/RGP contact lens.
- 7. a) What are the prefitting parameters required prior to fitting a contact lens in a child?
 - b) What are the most suitable contact lens materials available for children?
 - c) Briefly describe CL fitting procedure in children. 4 + 5 + 6
- 8. a) Write about the types of tinted contact lens and their uses.
 - b) Describe the simulataneous vision contact lens in presbyopia.
 - c) Mention three differences in fitting CL in children and adult. 5 + 7 + 3
- 9. a) Write about the steps of fitting an RGP lens.
 - b) Describe how tear lens correct astigmetism by RGP lens.
 - c) What are the different modifications possible on an RGP CL?

6340 4