

**MANIPAL UNIVERSITY****SECOND YEAR MASTER OF OPTOMETRY DEGREE EXAMINATION – JUNE 2015****SUBJECT: PAPER – VI: ADVANCED CONTACT LENS STUDIES – II**

Monday, June 01, 2015

Time: 10:00 – 13:00 Hrs.

Maximum Marks: 80

✍ **Attempt questions as instructed. Draw diagrams and flowcharts wherever necessary.**

✍ **Answer the following questions.**

1. Write in detail about scleral contact lens under the following headings:

- 1A. Design
- 1B. Indication
- 1C. Fitting
- 1D. Insertion and removal
- 1E. Care and maintenance
- 1F. Complication

(3+3+5+3+3+3 = 20 marks)

2. What are the indications of pediatric contact lens fitting? Mention how it's different from adult contact lens fitting. Write in detail about your methodology of workup and plan of management for a 1 month old bilateral aphakic child who is operated for cataract.

(3+2+5 = 10 marks)

3. Comment on 3 and 9 O'clock staining. Give overview about its clinical features. Briefly explain etiology of the condition and write about its management.

(2+3+3+2 = 10 marks)

4. Define extended wear. List contact lens options available as extended wear modality and mention its care and maintenance. Write about possible complications associated with extended wear contact lens.

(1+4+5 = 10 marks)

5. **Write short notes on:**

- 5A. Translating contact lens design and it's fitting
- 5B. Spherical RGP contact lens fitting in keratoconus

(5+5 = 10 marks)

6. Describe recurrent corneal erosion and explain how you would like to select Bandage contact lens for such condition? How you would like to plan care and maintenance and follow up for the above condition?

(3+4+3 = 10 marks)

7. Write about different types of RGP toric contact lens designs with specific indications. Compare soft toric contact lens versus RGP toric contact lens.

(6+4 = 10 marks)



# MANIPAL UNIVERSITY

SECOND YEAR MASTER OF OPTOMETRY DEGREE EXAMINATION – JUNE 2015

SUBJECT: PAPER – VII: OCULAR DISEASES AND THERAPEUTICS

Wednesday, June 03, 2015

Time: 10:00 – 13:00 Hrs.

Maximum Marks: 80

- ✍ Answer ALL questions.
- ✍ Attempt questions as instructed.
- ✍ Draw diagrams and flowchart wherever necessary.

1. What are the common retinal vascular diseases in India? For any two of these diseases, explain what is the etiology, risk factors, clinical presentation, diagnostics methods available and explain the role of optometry care in clinical management.  
(5+10+5 = 20 marks)
2. What are the various clinical presentations of keratoconus and what are the tests (Clinical + Diagnostic) that help identify them at the respective stages?  
(4+6 = 10 marks)
3. Patient comes with a red eye, kindly list the various causes and differential diagnosis for circumciliary congestion. When does this condition become an ocular emergency and explain why?  
(4+6 = 10 marks)
4. What are the various clinical presentations of Diabetic retinopathy and what are the tests (Clinical + Diagnostic) that help identify them at the respective stages?  
(4+6 = 10 marks)
5. Define Threshold and explain the threshold testing strategies used in Humphrey visual field.  
(10 marks)
6. What is the principle of Angiography and discuss on the newer methods and its application in clinical management.  
(6+4 = 10 marks)
7. Describe about the pathogenesis of Congenital cataract and what are the early signs and symptoms?  
(4+6 = 10 marks)

