

## Level 6 Certificate in Contact Lens Practice



### Unit 3 – Contact Lens Practice

Principal Examiner:  
RJ Shipley BSc (Hons) FBDO R (Hons) CL

**Summer 2022**  
**Duration: 2 hours**

**Candidate Number:**

**Date:**

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**Seating Location:**

Answer **four** questions only

Please tick below the numbers of the questions attempted:

1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>
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Number of Supplementary Sheets used (if any), including graph paper.

#### For office use only

Question number	1	2	3	4	5	Total	
						Overall	%
Marks							
Moderated							
Borderline (57%-62%)	Please tick the box to acknowledge that this is a borderline result and confirm that the marks have been checked in terms of allocation and addition.						<input type="checkbox"/>

Examiner's Signature	
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Moderator's Signature	
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### Question 1

- |    |   |                   |
|----|---|-------------------|
| a) | <b>Briefly explain two</b> uses of the keratometer in aftercare appointments.   | <b>(20 marks)</b> |
| b) | <b>Explain</b> the benefits, for a Contact Lens Optician, of using a topographer.   | <b>(35 marks)</b> |
| c) | <b>Describe one</b> method (not the instrument) for verifying each of the following rigid lens parameters in practice:<br>i) BOZR<br>ii) TD<br>iii) BVP | <b>(20 marks)</b> |
| d) | <b>Describe</b> the causes, signs, symptoms and management of 3&9 o'clock staining.   | <b>(25 marks)</b> |

**Q1a) Briefly explain two** uses of the keratometer in aftercare appointments. **(20 marks)**

**(35 marks)**



**Q1c) Describe one** method (not the instrument) for verifying each of the following rigid lens parameters in practice:

- i) BOZR
- ii) TD
- iii) BVP

**(20 marks)**







## Question 2

- a) **Describe** in detail three possible methods of correcting a presbyopic patient using currently available soft, single vision contact lenses. (45 marks)
- b) **State** the full details of one currently available soft multifocal lens, including the full material name, surface design, power range and replacement frequency. (15 marks)
- c) **Describe** the causes, signs, symptoms and management of Demodex Blepharitis. (25 marks)
- d) **Name one** pathogen that could be responsible for each of the following types of conjunctivitis:
  - i) Bacterial
  - ii) Viral
  - iii) Fungal (15 marks)

**Q2a) Describe** in detail three possible methods of correcting a presbyopic patient using currently available soft, single vision contact lenses. **(45 marks)**





**Q2b) State** the full details of one currently available soft multifocal lens, including the full material name, surface design, power range and replacement frequency.

**(15 marks)**

**Q2c) Describe** the causes, signs, symptoms and management of Demodex Blepharitis.

**(25 marks)**



**Q2d) Name one** pathogen that could be responsible for each of the following types of conjunctivitis:

- i) Bacterial
- ii) Viral
- iii) Fungal

**(15 marks)**

### Question 3

- |    |   |            |
|----|---|------------|
| a) | A child of 8 is booked into your clinic for myopia control assessment. <b>Outline</b> the discussion, to include the benefits and responsibilities of contact lens wear that you would have with the family/carer prior to obtaining consent. | (20 marks) |
| b) | <b>List three</b> methods of myopia control that are currently available in the UK.   | (9 marks)  |
| c) | <b>Give</b> the full details of one myopia control contact lens that is currently available, including the name, material, design and parameters.   | (10 marks) |
| d) | <b>Describe three</b> symptoms and three signs that could indicate dry eye.   | (18 marks) |
| e) | <b>Explain</b> any lifestyle advice that you could offer contact lens patients with dry eye.  | (18 marks) |
| f) | <b>Describe</b> the causes, signs, symptoms and management of SMILE stain.  | (25 marks) |

**Q3a)** A child of 8 is booked into your clinic for myopia control assessment. **Outline** the discussion, to include the benefits and responsibilities of contact lens wear that you would have with the family/carer prior to obtaining consent. **(20 marks)**





**Q3b) List three** methods of myopia control that are currently available in the UK.

**(9 marks)**

**Q3c) Give** the full details of one myopia control contact lens that is currently available, including the name, material, design and parameters.

**(10 marks)**

**Q3d) Describe three symptoms and three signs that could indicate dry eye.**

**(18 marks)**

**Q3e) Explain** any lifestyle advice that you could offer contact lens patients with dry eye.

**(18 marks)**

**Q3f) Describe** the causes, signs, symptoms and management of SMILE stain.

**(25 marks)**



### Question 4

- a) **Explain** your initial procedure, step by step, for a patient who has not previously worn contact lenses. Include all the steps up to, but not including, the insertion of the first trial lens.  
The patient is 15 years old. **(70 marks)**
- b) **Write** notes about six discussion points for contact lenses for sports use. **(30 marks)**

**Q4a) Explain** your initial procedure, step by step, for a patient who has not previously worn contact lenses. Include all the steps up to, but not including, the insertion of the first trial lens.

The patient is 15 years old.

**(70 marks)**





**(30 marks)**





### Question 5

- a) **Describe** the following conditions, including the causes, and explain how each may be managed with contact lenses:
- i) Entropion
  - ii) Aniridia
  - iii) Recurrent Corneal Epithelial Erosions (RCEE) **(60 marks)**
- b) **Describe two** different methods of manufacture for soft lenses. **(30 marks)**
- c) For each method described in (b), **state one** currently available soft lens that is manufactured using this method. **(10 marks)**

**Q5a) Describe** the following conditions, including the causes, and explain how each may be managed with contact lenses:

- i) Entropion
  - ii) Aniridia
  - iii) Recurrent Corneal Epithelial Erosions (RCEE)
- (60 marks)**





**Q5b) Describe two different methods of manufacture for soft lenses. (30 marks)**

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**Important Instructions to Candidates**

Please read carefully and follow these instructions when told to do so by the Examiner/Invigilator.

1. You will be given 5 minutes at the beginning of the examination to read through the questions.
2. **Please enter your candidate number and date in the boxes on the front cover of this booklet.**
3. Please **DO NOT write your name** on the booklet. Candidates must remain anonymous for marking purposes.
4. Candidates must answer questions legibly, using blue/black ink or ball-point pen. *Pencil may be used for graphs and diagrams only.*
5. Candidates please note, the examination paper has been designed for you to answer the stated number of questions within the allotted time.
6. Candidates must read each question carefully and make sure that you know what you have to do before starting your answer.
7. Candidates must write the answer to each question in the space provided. Additional paper may be used if necessary but you must show your Candidate Number and question number(s) clearly at the top of each page.
8. Please do not write in the margins.
9. Any extra pages used should be securely fastened together using a treasury tag. This includes any diagrams, additional graph paper or any continuation paper.
10. Candidates are advised to carefully cross out any work not intended to be marked by the Examiner.
11. Please do not tear out any part of this booklet. All work must be handed in.

**Important Information for Candidates**

1. Answer **four** questions only.
2. Answer all parts for each question.
3. Where relevant, the marks awarded for each part of a question are given in brackets, e.g. **(10 marks)**.
4.  ■ These symbols indicate that a diagram/calculation is required or a diagram needs annotating.
5. This entire document consists of 32 pages. Any blank pages are indicated.

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