

Level 6 Certificate in Contact Lens Practice 2019 Syllabus



abdo

Summer 2024
Duration: 2 hours

Unit 3 Contact Lens Practice

Principal Examiner:

Robin Rohu MEd PGDipE PgCert FBDO CL Prof Cert LV SFHEA

Candidate Number:

Date:

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 (37%-43%)	Please tick the box to acknowledge that this is a borderline result and confirm that the marks have been checked in terms of adding up and allocation.						<input type="checkbox"/>

Examiner's Signature	
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Moderator's Signature	
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This booklet is the property of the ABDO and **must not be removed** by the candidate from the examination room.

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Question 1

- a) **Describe** your routine for when a new contact lens wearer arrives to collect soft, daily disposable lenses. Include the full handling instructions and procedural advice that you would give to the patient. **(50 marks)**
- b) **State five** generic components that can be found in current soft lens solutions. **(10 marks)**
- c) **Briefly explain** the purpose of each of the generic components stated in (b) **(40 marks)**

- a) Describe** your routine for when a new contact lens wearer arrives to collect soft, daily disposable lenses. Include the full handling instructions and procedural advice that you would give to the patient. **(50 marks)**

b) **State five** generic components that can be found in current soft lens solutions.

(10 marks)

c) **Briefly explain** the purpose of each of the generic components stated in (b)

(40 marks)

Question 2

- | | | |
|----|--|------------|
| a) | Explain how each of the following parameters of RIGID lenses relates to external measurements taken, including one reason for the choice of each parameter: | |
| | i) BOZR | (12 marks) |
| | ii) BOZD | (12 marks) |
| | iii) TD | (12 marks) |
| b) | State four components of rigid gas permeable materials and state the purpose of each one. | (16 marks) |
| c) | Describe the causes, signs, symptoms, and management of Contact Lens Induced ptosis. | (24 marks) |
| d) | Describe the causes, signs, symptoms and management of Demodex Blepharitis. | (24 marks) |

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(12 marks)

- ii) BOZD

- a) **Explain** how each of the following parameters of RIGID lenses relates to external measurements taken, including one reason for the choice of each parameter:

(12 marks)

TD

- b) **State** four components of rigid gas permeable materials and state the purpose of each one.

(16 marks)

- c) **Describe** the causes, signs, symptoms, and management of Contact Lens Induced ptosis.

(24 marks)

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

(24 marks)

Question 3

- a) **State eight** potential signs of hypoxia in contact lens wearers. **(16 marks)**
- b) **State five** possible management options of hypoxia in contact lens wearers **(10 marks)**
- c) **Describe** the causes, signs, symptoms and management of External Hordeolum. **(24 marks)**
- d) **Write five** discussion points about the use of chloramphenicol in practice, including its use by Contact Lens Opticians. **(25 marks)**
- e) **Write five** discussion points about the use of Grading Scales in modern contact lens practice. **(25 marks)**

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- c) **Describe** the causes, signs, symptoms and management of External Hordeolum. **(24 marks)**

- e) **Write five** discussion points about the use of Grading Scales in modern contact lens practice.

(25 marks)

Question 4

- | | | |
|----|--|-------------------|
| a) | Describe the causes, signs, symptoms and management of Contact Lens Associated Red Eye (CLARE). | (24 marks) |
| b) | Describe the causes, signs, symptoms and management of infiltrative Keratitis | (24 marks) |
| c) | List six filters that may be used with a slit lamp | (18 marks) |
| d) | Explain the purpose of each filter listed in (c) | (24 marks) |
| e) | Explain the term "modulus of elasticity" in relation to soft contact lenses. | (10 marks) |

- a) **Describe** the causes, signs, symptoms and management of Contact Lens Associated Red Eye (CLARE). **(24 marks)**

b) **Describe** the causes, signs, symptoms and management of infiltrative Keratitis

(24 marks)

c) **List six** filters that may be used with a slit lamp

(18 marks)

d) **Explain** the purpose of each filter listed in (c)

(24 marks)

- e) **Explain** the term “modulus of elasticity” in relation to soft contact lenses.

(10 marks)

Question 5

- | | | |
|----|---|-------------------|
| a) | Describe how a slit lamp is set up prior to use with a patient. | (10 marks) |
| b) | Name and describe three different types of Direct illumination, including the magnification required in each case. | (45 marks) |
| c) | State one condition that could be observed with each illumination described in (b) | (15 marks) |
| d) | Explain the difference between direct and indirect illuminations. | (10 marks) |
| e) | Briefly outline how the slit lamp is set up to achieve indirect illumination. | (10 marks) |
| f) | State two conditions that can be observed using Indirect illumination | (10 marks) |

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- b) **Name and describe** three different types of Direct illumination, including the magnification required in each case. **(45 marks)**

- c) **State one** condition that could be observed with each illumination described in (b)

(15 marks)

- d) **Explain** the difference between direct and indirect illuminations.

(10 marks)

- e) **Briefly outline** how the slit lamp is set up to achieve indirect illumination.

(10 marks)

- f) **State two** conditions that can be observed using Indirect illumination

(10 marks)

End of questions for this paper

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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 24 pages. Any blank pages are indicated.

When told to do so by the Invigilator, you may turn the paper over and begin.