

# Worshipful Company of Spectacle Makers



## Certificate in Optical Care at SCQF Level 5

Unit 4: Supporting the Provision of Spectacle Lenses in Optical Practice

**Duration: 24 mins**

Candidate Number:

Date:

Answer **ALL** Questions

Number of Supplementary Sheets used (if any), including graph paper.

### For office use only

Question number	Questions			Total	
	1	2	3	Marks	%
Marks					
Moderated					

Examiner's signature

Moderator's signature

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**Question 1**

**Q1a) Explain** what centration means in relation to a spectacle lens. **(2 marks)**

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**Q1b) In which** direction is light deviated when traveling through a prism? **(2 marks)**

- Option 1 - Towards the Apex
- Option 2 - Towards the lens
- Option 3 - Towards the Cornea
- Option 4 - Towards the Top
- Option 5 - Towards the base

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**Q1c) Explain** the BOX measurement system for measuring a frame. **(6 marks)**

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**Question 2**

**Q2a) Describe** three methods of tinting a spectacle lens. **(3 marks)**

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**Q2b) Describe** what is meant by the corridor in a progressive lens. **(2 marks)**

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**Q2c) How** does a trifocal correct vision? **(5 marks)**

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**Important Instructions for Candidates**

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

1. Before you start to answer any question, take a few minutes to read through the paper.
2. Please ensure your candidate number and date are in the boxes on the front cover of this booklet.
3. Please **DO NOT** write your name on this booklet. Candidates must remain anonymous for marking purposes.
4. Write your answers as clearly as you can using a black/blue pen only. Do not use a pencil. If the examiner cannot read your writing or figures you may lose marks, or even receive no marks at all. **Pencils may only be used for graphs and diagrams.**
5. You should read each question carefully, and make sure that you know what you have to do before you start to answer.
6. You must write your answers in the space provided. Additional paper may be used if necessary, but you must show your candidate number and the question number at the top of each sheet; not your name. You must also annotate the box on the front cover of this booklet to show how many extra sheets you used.
7. Please do not write in the margins.
8. Make sure your diagrams are as clear and neat as possible; you will get marks for doing so. If you need to draw a graph, use as large a scale as practicable; this will give the most accurate answer.
9. When answering mathematical questions, write **ALL YOUR CALCULATIONS IN FULL**. Even if you get the final answer wrong, you may get credit for the parts of the calculation that are correct.
10. After you have completed each answer, re-read the question to make sure you have answered it fully.
11. Try to leave yourself enough time to check the completed paper through before handing it in.
12. Do not tear out any part of this booklet. All work must be handed in.
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