

# Worshipful Company of Spectacle Makers



## Certificate in Optical Care at SCQF Level 5

### Unit 3 - The Eye and Ametropia

**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**

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**Q1a)** What is Astigmatism and what types of lenses are used to correct it?

**(4 marks)**

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**Q1b)** In Glaucoma what best describes how the visual field is affected?

**(2 marks)**

Option 1 - There is a sudden central field loss

Option 2 - There is a sudden peripheral field loss

Option 3 - Gradual field loss from central to peripheral

Option 4 - Gradual field loss from peripheral to central

Option 5 - Visual fields are not affected at all

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**Q1c)** Briefly explain what a cataract is and how it is treated?

**(4 marks)**

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**Question 2**

**Q2a)** The prescription :-

R +5.00 / -5.00 x 90

L +5.00 / -2.50 x 30

ADD 2.50 for NV

This is prescribed for Distance and Reading. **Write** both the Distance and the Reading prescriptions you would order and then transpose them both.

**(2 marks)**

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**Q2b) Define** the terms:-

Diopetre

Sphere

Cylinder

**(3 marks)**

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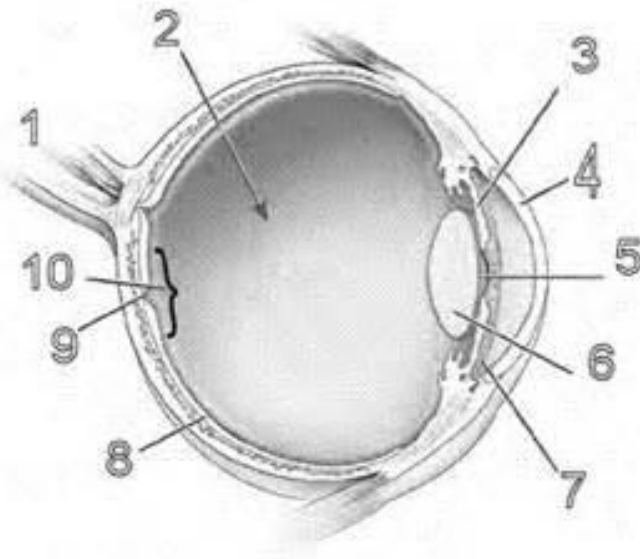
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**Q2c) Name** the parts of the eye indicated.

**(5 marks)**

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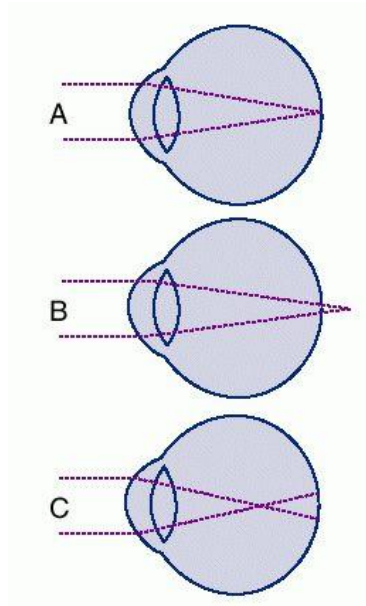
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**Question 3**

**Q3a) Name** the type of ametropia shown in each of the diagrams and **state** what type of lens would be required to correct them. **(6 marks)**

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**Q3b) In practice what** does IOP stand for? **(2 marks)**

- Option 1 - Island of pressure
- Option 2 - In and out practice
- Option 3 - Intraocular pressure
- Option 4 - Interocular pupil
- Option 5 - In and out procedure

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**Q3c) State two** types of age related macular degeneration.

**How** does age related macular degeneration affect vision?

**(2 marks)**

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1. Before you start to answer any question, take a few minutes to read through the paper.
2. Please ensure your membership 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.
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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.
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