

Worshipful Company of Spectacle Makers

Level 4 Year 1 Diploma for Optical Assistants



Unit 3 - The Provision of Optical Screening and Clinical Support

Summer 2018

Duration: 2 hours

Candidate Number:

Date:

--	--	--	--	--	--

Answer ALL questions.

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

For office use only

	Questions				Question	
Question number	1	2	3	4	Marks	%
Marks						
Moderated						

Examiner's signature	
----------------------	--

Moderator's signature	
-----------------------	--

This booklet is the property of the WCSM and **must not be removed** by the candidate from the examination room.

THIS PAGE
HAS BEEN
LEFT BLANK

Question 1

Examiner's
use only

Q1a)	A presbyopic patient is required to conduct a central, threshold, visual screening test and needs to see a target clearly at 30cm . What power of correcting lens would be used to conduct the test if the patient has the following ametropia? R -3.25DS L -3.25DS/-2.00DC x 75	(2 marks)
i)	Plano Plano/-2.00DC x 75	
ii)	Plano -1.00DDS	
iii)	+3.25DS +3.25DS/-2.00DC x 75	
iv)	No lenses are required	

Q1b)	A patient who wears varifocals is required to complete a peripheral full field test. Which of the following would be an acceptable correction to wear to complete the test?	(2 marks)
i)	Varifocal spectacles	
ii)	No spectacles	
iii)	Ready-made reading spectacles	
iv)	Reduced aperture trial lens	

Q1c)	When conducting a central field test at 25cm for a patient wearing bifocals R +1.75DS L+ 2.25DS Add +3.50D Which would be the most suitable correction?	(2 marks)
i)	R +1.75DS L +2.25DS	
ii)	Wear the bifocal spectacles	
iii)	Wear no spectacles	
iv)	R +5.25DS L + 5.75DS	

Examiner's
 use only

Q1d)	When using lenses to correct vision to complete central field testing, which of the following statements is correct?	(2 marks)
i)	Incorrect power lenses can enhance the sensitivity of the visual field	
ii)	Incorrect power lenses can reduce the sensitivity of the visual field	
iii)	Incorrect power lenses have no effect on the sensitivity of the visual field	
iv)	Incorrect power lenses reduce the size of the visual field	

Q1e)	Auto refraction is referred to as an objective process to determine a refractive error. Which of the following is a similar objective technique?	(2 marks)
i)	Pachymetry	
ii)	Fundoscopy	
iii)	Retinoscopy	
iv)	Ophthalmoscopy	

Q1f)	An auto refractor is described as providing 'four in one' screening. What measurements would such an instrument record?	(2 marks)
i)	Pachymetry, gonioscopy, refractive error, tonometry	
ii)	Keratometry, refractive error, pachymetry, tonometry	
iii)	Retinoscopy, ophthalmoscopy, keratometry, refractive error	
iv)	Refractive error, tonometry, pachymetry, keratometry	

Q1g)	Which of the following is not an ocular emergency?	(2 marks)
i)	Iritis	
ii)	Blepharitis	
iii)	Uveitis	
iv)	Acute glaucoma	

Q1h)	An Optometrist has advised a patient that they have Bacterial Conjunctivitis. What are the most likely signs and symptoms that the patient is complaining of?	(2 marks)
i)	Itchy, Pink eyes with puffy eyelids and a runny nose	
ii)	Gritty, pink eyes with eyelids stuck together on waking	
iii)	Dry eyes that feel worse at night and look red along the lids	
iv)	White eyes that are extremely sensitive to light	

Q1i)	An adult patient is described as having an amblyopic eye. Which of the following best describes amblyopia?	(2 marks)
i)	An unhealthy eye that is damaged by disease so cannot not see well	
ii)	A healthy eye that requires a refractive correction in order to see well	
iii)	An unhealthy eye that that cannot be refractively corrected to see well	
iv)	A healthy eye that cannot be refractively corrected to see well	

Q1j)	Which of the following would not affect the quality of an OCT image?	(2 marks)
i)	Intra ocular lens implant	
ii)	Upper lid ptosis	
iii)	Miotic pupil	
iv)	Cataracts	

Q1k)	Optical Coherence Tomography is based upon which optical principle?	(2 marks)
i)	Illuminance	
ii)	Interference	
iii)	Diffraction	
iv)	Anti-reflection	

Q1l)	What is the typical management advice given by Optometrists in order to manage allergic conjunctivitis?	(2 marks)
i)	Hot compress, lid massage and lid hygiene	
ii)	Wrap round spectacles, cold compress, ocular lubricant	
iii)	Lid hygiene, remove contact lenses and antibiotics	
iv)	Warm compress. lid scrubs and antibiotics	

Q1m)	Which of the following is usually the cause of an emergency referral to an eye casualty department?	(2 marks)
i)	Sub-conjunctival haemorrhage	
ii)	Episcleritis	
iii)	Acute conjunctivitis	
iv)	Acute glaucoma	

Q1n)	Generally, what is the time difference between an urgent referral and an emergency referral?	(2 marks)
i)	Urgent should be seen within 1 month and emergency within 1 week	
ii)	Emergency should be seen within 24 hours and urgent within 2 weeks	
iii)	Urgent should be seen within 3 weeks and emergency within 1 week	
iv)	Emergency should be seen within 48 hours and urgent within 1 month	

Q1o)	A patient presents with a sudden loss of vision. What type of referral would you expect the Optometrist to make?	(2 marks)
i)	Urgent	
ii)	Routine	
iii)	Emergency	
iv)	No referral	

THIS PAGE
HAS BEEN
LEFT BLANK

DO NOT TURN THIS PAPER OVER UNTIL ADVISED TO DO SO BY THE INVIGILATOR

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 once more, before handing it in.
12. Do not tear out any part of this booklet. All work must be handed in.
13. Before handing your paper in, ensure your Candidate number is entered clearly on the front of this booklet and on any extra sheets you may have used.
14. Attach any sheets to this booklet and annotate how many there are in the box on the front of this booklet.

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