

Worshipful Company of Spectacle Makers



Level 2 Optical Support

Unit 7: The Glazing of Spectacles

Summer 2018
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					

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Question 1

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Q1a) What material is deemed to be the most common for plastics frames? **(2 marks)**

Q1b) What is the correct BS EN term for the measurement on a frame side that is from the dowel point to where the end of the side begins to bend? **(2 marks)**

Q1c) Give an example of why a lens may need to be hand-edged. **(2 marks)**

Q1d) At what point in the processes of glass lens production does **(4 marks)**

Answer all the following 10 multiple-choice questions.

Q2a) For a frame to sit into a full rim frame it requires a: **(1 mark)**

- 1) 'V' Bevel
 - 2) Groove
 - 3) Drill holes
 - 4) Nylon cord
-

Q2b) Which of the following frame materials is not metal? **(1 mark)**

- 1) Titanium
 - 2) Nickel silver
 - 3) Carbon fibre
 - 4) Rolled gold
-

Q2c) What is being described: The minimum distance between each lens, deduct 1mm if necessary to allow for the depth of the groove. **(1 mark)**

- 1) Box eye size
 - 2) Boxed centre distance
 - 3) Dowel point
 - 4) DBL
-

Q2d) Fused bifocals are available in which of the following materials? **(1 mark)**

- 1) Polycarbonate
 - 2) Glass
 - 3) Resin 1.60
 - 4) Trivex
-

Q2e) Which frame type would you find a figure of 8? **(1 mark)**

- 1) Full rim plastics
 - 2) Semi-rimless
 - 3) Full rim metal
 - 4) Rimless
-

Q2f) Which of the following relates to complete spectacles? **(1 mark)**

- 1) BS EN ISO 8980-1 2004
 - 2) BS EN 1307: 2014
 - 3) BS 7394-2:2007
 - 4) ISO 14004
-
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Q2g) A standard metal frame has a +4.00 curve but the lens has a +6.00 curve, **what** is the most common action to take to get the lenses to fit into the frame comfortably? **(1 mark)**

- 1) Re-edge the lens
 - 2) Re-make the lens flatter
 - 3) Bow the frame
 - 4) Choose another frame
-
-

Q2h) **Which** of the following is not a natural frame material? **(1 mark)**

- 1) Leather
 - 2) Horn
 - 3) Wood
 - 4) Titanium
-
-

Q2i) **What** is the scientific name for Perspex? **(1 mark)**

- 1) PMMA (PolyMethylMethAcrylate)
 - 2) Cellulose Acetate
 - 3) Titanium
 - 4) Cellulose Nitrate
-
-

Q2j) **Which** lens would benefit the most from being surfaced? **(1 mark)**

- 1) A low powered plus lens into a large frame
 - 2) A high powered plus lens into a small frame
 - 3) A medium powered minus lens
 - 4) A low powered minus lens
-
-

Question 3

Q3a) **List five** errors that can occur during glazing. **(10 marks)**

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2. Please ensure your membership number and date are in the boxes on the front cover of this booklet.
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