







iPad Screenshots for Electronic Refraction Certificate Examination

These screenshots show what the Refraction exam looks like as a tablet based exam instead of paper marksheets.

1) INITIAL LOG-IN SCREEN

Please note that the examiner or invigilator logs the candidate in using this screen then hands the iPad to the candidate.

 Logout		
Candidate login		<i>All stations</i>
Station login Set up this iPad for a new session Hand iPad to candidate at start of exam		
Station re-login ONLY use this option if you have been given a replacement iPad mid way through a session		
Examiner login		<i>Stations 4 and 5 - 'Technique' marking</i>
Station login Set up this iPad for a new session iPad to be retained by Examiner throughout session		
Station re-login ONLY use this option if you have been given a replacement iPad mid way through a session		

2) AWAITING STATION START WITH TIMER at 0:00

This is how the first screen will look when the candidate is handed the iPad. The timer is at 0:00 and the exam only begins when the candidate clicks the Start OSCE button

The screenshot shows the iPad interface for the OSCE station start screen. At the top, there is a blue header bar. On the left side of the header, there is a white button with a blue back arrow and the text "Back". On the right side of the header, there is a white box containing the text "Timer" and "00:00". Below the header, there is a light green bar with the text "Station start". The main content area is white and contains the following text: "12867 Arthur Tan", "When instructed to do so click the 'Start OSCE' button below", "Your TEN minutes for this station will start when the button is clicked", "The on-screen timer counts up in 15 second intervals", "THREE audible warning beeps will be given after 9 minutes", and "We recommend you test and set this iPad's audio volume using the button below". At the bottom of the screen, there are two large, light gray buttons with blue borders. The top button is labeled "Start OSCE" and the bottom button is labeled "Test iPad audio volume".

Back

Timer 00:00

Station start

12867 Arthur Tan

When instructed to do so click the 'Start OSCE' button below

Your TEN minutes for this station will start when the button is clicked

The on-screen timer counts up in 15 second intervals

THREE audible warning beeps will be given after 9 minutes


We recommend you test and set this iPad's audio volume using the button below

Start OSCE

Test iPad audio volume

3) MARKSHEET VIEW

For each station, once the candidate has clicked Start OSCE, they will be presented with this marksheet in which to input their answers.

		Timer	00:30
Please choose which mark sheet to answer			
ACTIVE Mark sheet 1 Simulated Retinoscopy 1 - RIGHT EYE		Mark sheet 2 Simulated Retinoscopy 2 - LEFT EYE	
Introduction			RIGHT EYE
Please use a retinoscope and perform a cycloplegic retinoscopy on the patient's RIGHT eye. This task must be performed WITHOUT A TRIAL FRAME.			
Question 1	12 marks		
Please record the gross retinoscopy (i.e. without removing the working distance) in the box. You may provide your answer in positive or negative cylinder format or as a power cross. DO NOT ENTER YOUR FINAL PRESCRIPTION HERE.		Click here to enter your answer	
Question 2	1 mark		
Please record your working distance in centimetres and dioptres.		Click here to enter your answer	
Question 3	2 marks		
Please correct your retinoscopy for your working distance and record your final prescription in positive or negative cylinder format in the box.		Click here to enter your answer	

4) SETTING POWER CROSS

The power cross axis is provided and the candidate inputs the figures in the boxes provided. + and – signs, numbers and fractions are provided to choose from.

Save / continue Timer 06:00

Question 1

Please record the gross retinoscopy (i.e. without removing the working distance) in the box.

You may provide your answer in positive or negative cylinder format or as a power cross.

DO NOT ENTER YOUR FINAL PRESCRIPTION HERE.

Rotate Power Cross then complete Power fields RIGHT EYE

Rotate + 5 Rotate - 5

-2.50

-2.50

Power

+	0	0.00
-	1	0.25
	2	0.50
	3	0.75
	4	
	5	
	6	
	7	
	8	
	9	
	10	

120

Reset to 90

Alternatively enter your e nat

Axis

x

Close

5) SETTING SPHERE, CYLINDER AND AXIS FORMAT

Candidates use the selection of numbers, fractions and + and – signs to input the measurements for Sphere, Cylinder and Axis

Save / continue
Timer 06:30

Question 1

Please input the measurements for Sphere, Cylinder and Axis

-2.50

+2.50

120

Sphere
Cylinder
Axis

+	0	0.00	+	0	0.00	0	0	0
-	1	0.25	-	1	0.25	1	1	1
	2	0.50		2	0.50		2	2
	3	0.75		3	0.75		3	3
	4			4			4	4
	5			5			5	5
	6			6			6	6
	7			7			7	7
	8			8			8	8
	9			9			9	9
	10			10				

Close

Sphere
Cylinder
Axis

-2.50

/

+2.50

X

120

6) SETTING WORKING DISTANCE

Candidates use the selection of numbers and fractions to input measurements for working distance

↩ Save / continueTimer 07:15

Question 2

Please record your working distance in centimetres and dioptries.

Insert your working distance and dioptric equivalentRIGHT EYE

1.50	
0	0.00
1	0.25
2	0.50
3	0.75
4	
5	
Close	

Working distance in centimetres

60

Dioptric equivalent

1.50


7) TIMER VIEW – 2 MINUTE WARNING

At 8 minutes the timer turns orange to warn that 2 minutes remain in the station

Save / continue	Timer	08:00
<i>Your answer from Question 1</i>		
Spherocylinder format -2.50 / +2.50 x 120		
<i>Your answer from Question 2</i>		
CM 60 Dioptres 1.50		
Question 3		
Please correct your retinoscopy for your working distance and record your final prescription in positive or negative cylinder format in the box.		
Enter your final prescription in Spherocylinder format		RIGHT EYE
Sphere	Cylinder	Axis
<input type="text" value="-1.25"/>	<input type="text" value="-1.50"/> X	<input type="text" value="120"/>

8) SELECTING SECOND MARKSHEET

Each station has two marksheets to complete. When the second marksheet is clicked, it is highlighted yellow to show it is the active marksheet.

 Cancel		Timer	08:00
Please choose which mark sheet to answer			
Mark sheet 1 Simulated Retinoscopy 1 - RIGHT EYE		Mark sheet 2 Simulated Retinoscopy 2 - LEFT EYE ACTIVE	
Introduction			LEFT EYE
<p>Please use a retinoscope and perform a cycloplegic retinoscopy on the patient's LEFT eye.</p> <p>This task must be performed WITHOUT A TRIAL FRAME.</p>			
Question 1	12 marks		
<p>Please record the gross retinoscopy (i.e. without removing the working distance) in the box.</p> <p>You may provide your answer in positive or negative cylinder format or as a power cross.</p> <p>DO NOT ENTER YOUR FINAL PRESCRIPTION HERE.</p>		Click here to enter your answer	
Question 2	1 mark		
<p>Please record your working distance in centimetres and dioptres.</p>		Click here to enter your answer	
Question 3	2 marks		
<p>Please correct your retinoscopy for your working distance and record your final prescription in positive or negative cylinder format in the box.</p>		Click here to enter your answer	

9) TIMER TURNS RED AT 9 MINS

When the timer reaches 9 minutes, it turns red to warn that there is just one minute left until the end of the station

✕ Cancel

Timer

09:00

Please choose which mark sheet to answer

Mark sheet 1

Simulated Retinoscopy 1 - RIGHT EYE

Mark sheet 2

Simulated Retinoscopy 2 - LEFT EYE

ACTIVE

Introduction LEFT EYE

Please use a retinoscope and perform a cycloplegic retinoscopy on the patient's LEFT eye.

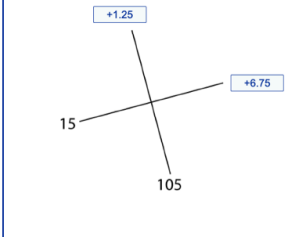
This task must be performed WITHOUT A TRIAL FRAME.

Question 1 12 marks

Please record the gross retinoscopy (i.e. without removing the working distance) in the box.

You may provide your answer in positive or negative cylinder format or as a power cross.

DO NOT ENTER YOUR FINAL PRESCRIPTION HERE.



Question 2 1 mark

Please record your working distance in centimetres and dioptres.

CM
28

Dioptres
1.75

Question 3 2 marks

Please correct your retinoscopy for your working distance and record your final prescription in positive or negative cylinder format in the box.

Spherocylinder format
+4.75 / +3.75 x 33

10) MARK SHEETS 1 and 2 BOTH COMPLETED

This screen shows the iPad view when both mark sheets have been completed by the candidate just before the end of the station

Cancel Timer 09:45

Please choose which mark sheet to answer

Mark sheet 1
Cycloplegic Retinoscopy 1 - RIGHT EYE

Mark sheet 2
Cycloplegic Retinoscopy 2 - LEFT EYE

ACTIVE

Introduction LEFT EYE

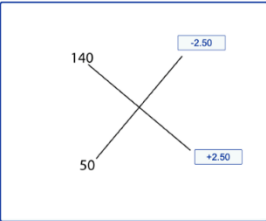
Please use a retinoscope and perform a cycloplegic retinoscopy on the patient's LEFT eye.
This task must be performed WITHOUT A TRIAL FRAME.

Question 1 12 marks

Please record the gross retinoscopy (i.e. without removing the working distance) in the box.

You may provide your answer in positive or negative cylinder format or as a power cross.

DO NOT ENTER YOUR FINAL PRESCRIPTION HERE.



Question 2 1 mark

Please record your working distance in centimetres and dioptres.

CM
66

Dioptres
1.50

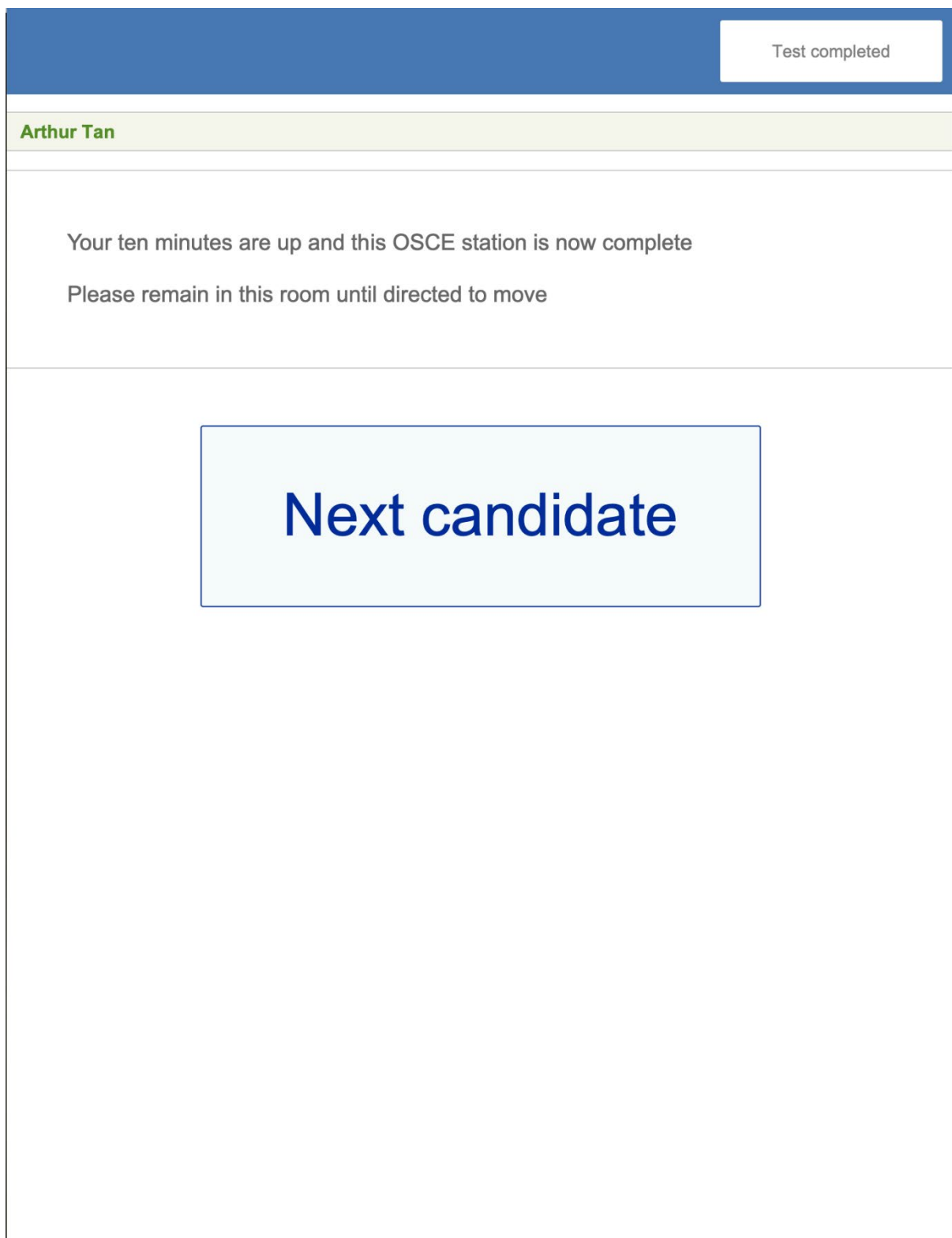
Question 3 2 marks

Please correct your retinoscopy for your working distance and record your final prescription in positive or negative cylinder format in the box.

Sphero-cylinder format
-2.50 / -2.50 x 133

11) STATION COMPLETE SCREEN

This screen appears when the station has been completed or the ten minute timer expires.




The screenshot shows a digital interface for an OSCE station. At the top, a dark blue header bar contains a white box on the right with the text "Test completed". Below this is a light green bar with the name "Arthur Tan" in green text. The main content area is white and contains two lines of text: "Your ten minutes are up and this OSCE station is now complete" and "Please remain in this room until directed to move". At the bottom, a light blue rectangular box with a thin blue border contains the text "Next candidate" in a large, bold, blue font.

FOCIMETER STATION

The following are iPad screenshots for the Focimeter station

1) Focimeter station mark sheet

		Timer	00:30
Please choose which mark sheet to answer			
Mark sheet 1 Simulated Retinoscopy 9		Mark sheet 2 Lens Neutralisation with or without Focimeter - LEFT EYE	
Introduction		LEFT EYE	
<p>You have been provided with a pair of spectacles.</p> <p>Please measure both spectacle lenses with the focimeter or the lenses provided.</p>			
Question 1	10 marks	REFRACTION	
<p>Please record your distance prescription answers for both spectacle lenses in prescription format in the box.</p> <p>You may provide your answer in positive or negative cylinder format.</p>		<input type="text" value="Click here to enter your answer"/>	
Question 2	2 marks	NEAR ADD	
<p>Please record any near addition that you have detected for both spectacle lenses in the box.</p> <p>This should be recorded simply as an ADDITION – it is not required in prescription format</p>		<input type="text" value="Click here to enter your answer"/>	
Question 3	3 marks	PRISM	
<p>Distance segment prism.</p> <p>Please centre the RIGHT spectacle lens and then measure any prism detected in the LEFT lens.</p> <p>You can assume that the optical centres of the spectacles were set at the patient's IPD.</p> <p>Record your answer in the box.</p>		<input type="text" value="Click here to enter your answer"/>	

2) Focimeter station Question 1 Screen

 Save / continue

Timer

00:45

Question 1

Please record your distance prescription answers for both spectacle lenses in prescription format in the box.

You may provide your answer in positive or negative cylinder format.

Enter your answers for both eyes in Spherocylinder format

RIGHT EYE

Sphere

Cylinder

Axis

/ X

LEFT EYE

Sphere

Cylinder

Axis

/ X

3) Focimeter station Question 2 Screen

 Save / continue

Timer

01:00

Question 2

Please record any near addition that you have detected for both spectacle lenses in the box.

This should be recorded simply as an ADDITION – it is not required in prescription format

Enter your answers for both eyes

RIGHT EYE

Near Add

LEFT EYE

Near Add

4) Focimeter station Question 3 Screen

 Save / continue

Timer

01:30

Question 3

Distance segment prism.

Please centre the RIGHT spectacle lens and then measure any prism detected in the LEFT lens.
You can assume that the optical centres of the spectacles were set at the patient's IPD.
Record your answer in the box.

Enter your answers for the left eye only

LEFT EYE ONLY

Power

Base direction