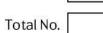
## **Experimental Competition**

5 May 2011

	Quest	tion	Num	ber 2
--	-------	------	-----	-------

Page No.	
----------	--





## Experimental Question 2: An Optical "Black Box"

## **ANSWER FORM**

a.	Expression for $\gamma$ :
b.	Choose the correct option (A, B, C or D):
c.	The angle $\varphi$ for the sample:
d.	Choose the correct option (A, B, C or D):
e.	The deflection angle $\delta_0$ for perpendicular violet light:
f.	The minimal deflection angle $\delta_{min}$ for violet light:
g.	Expression for the refractive index $n$ :
h.	The refractive index $n_v$ of the sample in violet light:

## **Experimental Competition**

5 May 2011



Studen	t Code		-		israel	2011		Total No.
i. Table f	for deflection	n angles $\theta$ a	s a function	of fringe n	umber <i>m</i> :			
							1	

j.	The tooth spacing $d$ :	
k.	The refractive index $n$	r of the sample in the laser's red light: