The University of the State of New York

REGENTS HIGH SCHOOL EXAMINATION

PHYSICAL SETTING **PHYSICS**

Student Light Key ANSWER SHEET Sex	
Student Sex	: \square Male \square Female Grade
Teacher Sch	ool
Record your answers to Part A and Part B-	-1 on this answer sheet.
Part A	Part B-1
1	122
22	13
3	14 2
42	
52	
62	
74	
83	
93	
9	
10	
11	ý s
Part A Score	Part B-1 Score
Write your answers to Part B-2 and Part C	in your answer hooklet

The declaration below should be signed when you have completed the examination.

I do hereby affirm, at the close of this examination, that I had no unlawful knowledge of the questions or answers prior to the examination and that I have neither given nor received assistance in answering any of the questions during the examination.

Sign	ature	

The University of the State of New York

REGENTS HIGH SCHOOL EXAMINATION

PHYSICAL SETTING PHYSICS

ANSWER BOOKLET		Male
Student	Sex:	Female
Teacher	• • • •	

Answer all questions in Part B-2 and Part C. Record your answers in this booklet.

Part	Maximum Student's Score Score
A	11
B-1	3
B-2	12
C	13
	Total Written Test Score (Maximum Raw Score: 39) Final Score (From Conversion Chart)
	rs' Initials: r 1 Rater 2

Part B-2	1 -	For Raters Only
15-16 G NSIND, =n2SIND2		15
n=1.33 02 1.33 sin40 = 1 sin0=	i i	16
$\theta_{1}=40^{\circ}$.855 = $\sin \theta_{2}$ $\sin (.855) = \theta_{2}$	¥	
$\Theta_2 = 58.75^{\circ}$		
17-18 U N=C		17
n=1.33 C=3x10 m/s V= 3x108 m/s 1.33		18
V=2.26x10 5		

180

Grade

[OVER]

 $n_1 = 1.33$ n_2 $n_2 = 1.33 \sin 45^\circ = n_2 \sin 29^\circ$ $n_3 = 1.33 \sin 45^\circ = n_2 \sin 29^\circ$ $n_3 = 1.33 \sin 45^\circ = n_2 \sin 29^\circ$ $n_4 = 1.33 \sin 45^\circ = n_2 \sin 29^\circ$ $n_5 = 1.94$

For Raters Only 19 20

Zircon

22

 $N = \frac{C}{V} \Rightarrow V = \frac{C}{N}$ $V = \frac{3 \times 10^8 \text{ s}}{1.88}$ $V = 1.6 \times 10^8 \text{ s}$ 25 26

Part C

$$37\pm 2$$

27 37=2.

28-29

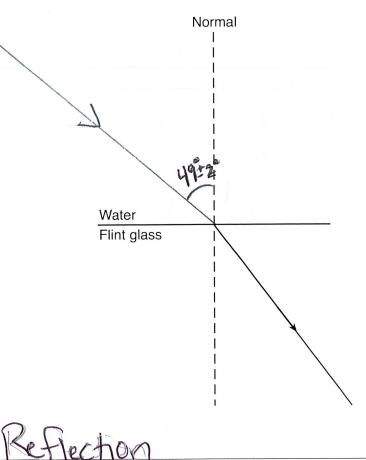
$$G_{1} = 1.33$$
 $G_{1} = 1.33 = 1.33 = 1.33 = 1.333$
 $G_{2} = 1.66 = 1.33 = 1.333$
 $G_{2} = 37^{\circ}$
 $G_{3} = 1.33 = 1.333$
 $G_{3} = 3.75 = 1.333$
 $G_{3} = 3.75 = 1.333$
 $G_{3} = 3.75 = 1.333$

$$\theta_2 = 37^{\circ}$$

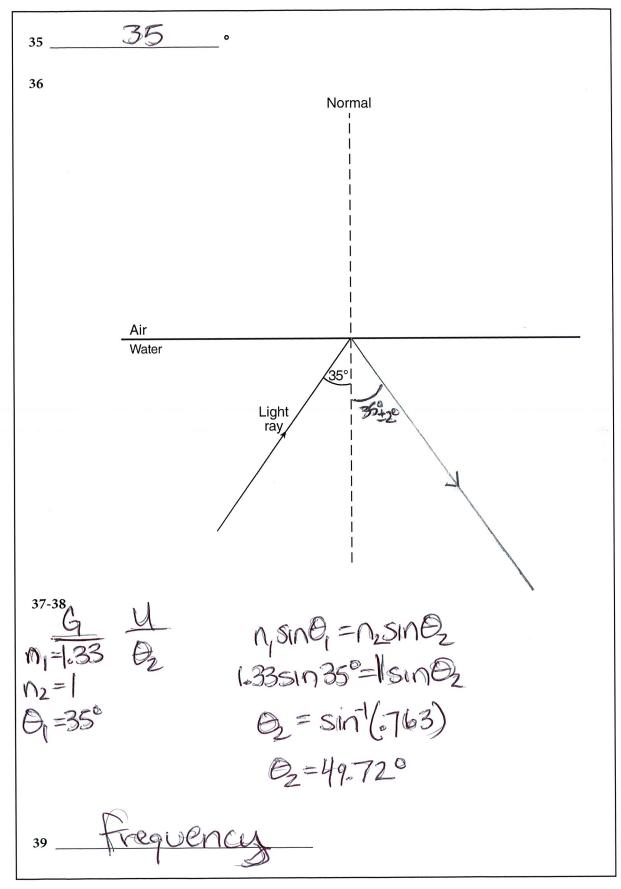
$$sin\theta_{1} = .751$$

D _i	= 541	7 (3/31)	1
I	A	=48 1090	1
	1	10,01	1





- 33-34
- G = U $N_1 \sin \theta_1 = N_2 \sin \theta_2$ $G = 100^{\circ}$ $G = 100^{$



[OVER]