## The University of the State of New York

REGENTS HIGH SCHOOL EXAMINATION

## PHYSICAL SETTING CHEMISTRY

**Thursday,** January 26, 2012 — 1:15 to 4:15 p.m., only

## ANSWER BOOKLET

Student . . . . Sex: 

Female

Teacher.....

C - l 1		C 1-					
Answer all questions in this examination. Record your answers in this booklet.			Raters' Initials:	Raters' Initials: Rater 1 Rater 2			
	Part A		Part A		Pa	Part B-1	
1	. 11	21	31	41			
2	. 12	22	32	42			
3	. 13	23	33	43			
4	. 14	24	34	44			
5	. 15	25	35	45			
6	. 16	26	36	46			
7	. 17	27	37	47			
8	. 18	28	38	48			
9	. 19	29	39	49			
10	. 20	30	40	50			
		Part A Score		Part B-1 Score			

The declaration below must 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.

☐ Male

Maximum

Score

**30** 

20

15

20

**Total Written Test Score** 

(from conversion chart)

**Final Score** 

Signature

(Maximum Raw Score: 85)

**Part** 

B-1

B-2

 $\mathbf{C}$ 

A

Student's

Score

	Part B–2		For Raters Only
51 p	m		51
52			_
			$ 52$ $\boxed{}$
<b>53</b> Particle:			_
Charge of particle:			53
54			_
55 °c	r		_
56			55
57			
Key  = particle of the substance			57
	One phase of the sample at minute 4	A different phase of the sample at minute 4	

	For O	Raters only
<b>58</b> _	58	
<b>59</b> _	59	
	60	
62 _	62	
-		

	For	Rate Inly	`S
63	63		
<b>64</b> $\text{HNO}_3(\text{aq}) + \text{NaOH}(\text{aq}) \rightarrow \underline{\hspace{2cm}} + \underline{\hspace{2cm}}$	64		
65			
	65		
	<sup>1</sup>		7
		1.0	
	Iota	l Sco	re

for Part B-2

	Part C	For	Raters Inly
66 _		66	
67 _	and	67	
68 _		68	
69 _			
-		69	
-			
70 _		70	
71 _			
_		71	
72 _		72	
<b>7</b> 3 _			
_		73	
<b>74</b> _	$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	74	

[5] [OVER]

		For	For Raters Only	
<b>75</b>		75		
76	mol	76		
77				
		77		
78		78		
79		_		
		<b>—</b> 79		
		_		
80	kJ	80		
81		_		
		81		

80		For I	Raters nly
02		82	
83		2.0	
		83	
84	$^{60}_{27}\text{Co} \rightarrow ^{0}_{-1}\beta + $	84	
85	y	85	

Total Score for Part C

## P.S./CHEMISTRY