Part III

Allow a total of 15 credits for only three of the five groups in this part. If all five groups are answered, only the first three should be considered.

Group 1

110 1 2 **X** 4

111 1 **X** 3 4

112 **X** 2 3 4

113 1 2 **X** 4

114 volume *or* milliliters *or* cubic centimeters

Group 2

115–116 Example of Acceptable Response
[See back of the Scoring Key for Part I for acceptable graph.]

Rating instructions for questions 115–116

115 Allow one credit for marking an appropriate scale on each labeled axis.

116 Allow one credit for plotting the data correctly, surrounding each point with a small circle, and connecting the points.

The answers below represent sample responses. Other complete-sentence responses are acceptable. Allow no partial credit.

117 Increasing the application amount of gibberellin from 0.05 to 0.50 microgram will increase corn seedling height.

118 The plants that received 0.00 micrograms of gibberellin in water served as the control in this investigation.

119 1 **X** 3 4

Part II

Allow a total of 20 credits, one credit for each question, for only two of the five groups in this part. If more than two groups are answered, only the first two should be considered.

Group 1 Biochemistry

60	1	2	3	X
61	1	X	3	4
62	1	2	X	4
63	1	2	3	X
64	1	X	3	4
65	X	2	3	4
66	1	2	X	4
67	1	X	3	4
68	X	2	3	4
69	X	2	3	4

Group 2 Human Physiology

70	X	2	3	4
71	1	X	3	4
72	1	2	X	4
73	1	2	3	X
74	1	2	X	4
75	1	X	3	4
76	X	2	3	4
77	X	2	3	4
78	1	2	3	X
79	1	X	3	4

Group 3 Reproduction and Development

80	1	X	3	4
81	1	X	3	4
82	X	2	3	4
83	X	2	3	4
84	1	2	3	X
85	1	X	3	4
86	1	2	X	4
87	1	2	X	4
88	X	2	3	4
89	1	2	3	X

Group 4 Modern Genetics

90	X	2	3	4
91	X	2	3	4
92	1	2	3	X
93	1	2	X	4
94	1	2	3	X
95	1	X	3	4
96	1	2	X	4
97	1	2	X	4
98	1	X	3	4
99	X	2	3	4

Group 5 Ecology

100	1	2	X	4
101	X	2	3	4
102	1	2	3	X
103	X	2	3	4
104	1	X	3	4
105	1	2	3	X
106	1	2	X	4
107	X	2	3	4
108	1	2	X	4
109	1	X	3	4

FOR TEACHERS ONLY

Bio

The University of the State of New York
REGENTS HIGH SCHOOL EXAMINATION

BIOLOGY

Friday, June 16, 2000—1:15 to 4:15 p.m., only

SCORING KEY

Part I

Refer to the table on the answer paper for the number of credits to be given on Part I.

Part I (65 credits)

1	1	2	3	**X**	**21**	1	2	3	**X**	**41**	1	2	**X**	4
2	1	2	**X**	4	**22**	1	**X**	3	4	**42**	1	2	3	**X**
3	1	2	3	**X**	**23**	**X**	2	3	4	**43**	1	2	**X**	4
4	1	**X**	3	4	**24**	1	2	**X**	4	**44**	**X**	2	3	4
5	1	2	**X**	4	**25**	1	2	3	**X**	**45**	1	2	**X**	4
6	**X**	2	3	4	**26**	1	**X**	3	4	**46**	1	**X**	3	4
7	1	2	**X**	4	**27**	**X**	2	3	4	**47**	1	**X**	3	4
8	1	2	3	**X**	**28**	1	2	**X**	4	**48**	1	2	**X**	4
9	**X**	2	3	4	**29**	1	2	**X**	4	**49**	**X**	2	3	4
10	1	**X**	3	4	**30**	**X**	2	3	4	**50**	1	**X**	3	4
11	**X**	2	3	4	**31**	1	2	3	**X**	**51**	**X**	2	3	4
12	1	**X**	3	4	**32**	1	2	**X**	4	**52**	1	2	3	**X**
13	1	2	**X**	4	**33**	**X**	2	3	4	**53**	1	2	**X**	4
14	1	2	3	**X**	**34**	1	**X**	3	4	**54**	1	2	**X**	4
15	1	2	**X**	4	**35**	**X**	2	3	4	**55**	1	2	3	**X**
16	**X**	2	3	4	**36**	1	2	**X**	4	**56**	**X**	2	3	4
17	1	**X**	3	4	**37**	1	2	3	**X**	**57**	1	**X**	3	4
18	1	2	3	**X**	**38**	1	2	3	**X**	**58**	1	**X**	3	4
19	1	**X**	3	4	**39**	1	**X**	3	4	**59**	1	2	3	**X**
20	**X**	2	3	4	**40**	1	2	**X**	4					

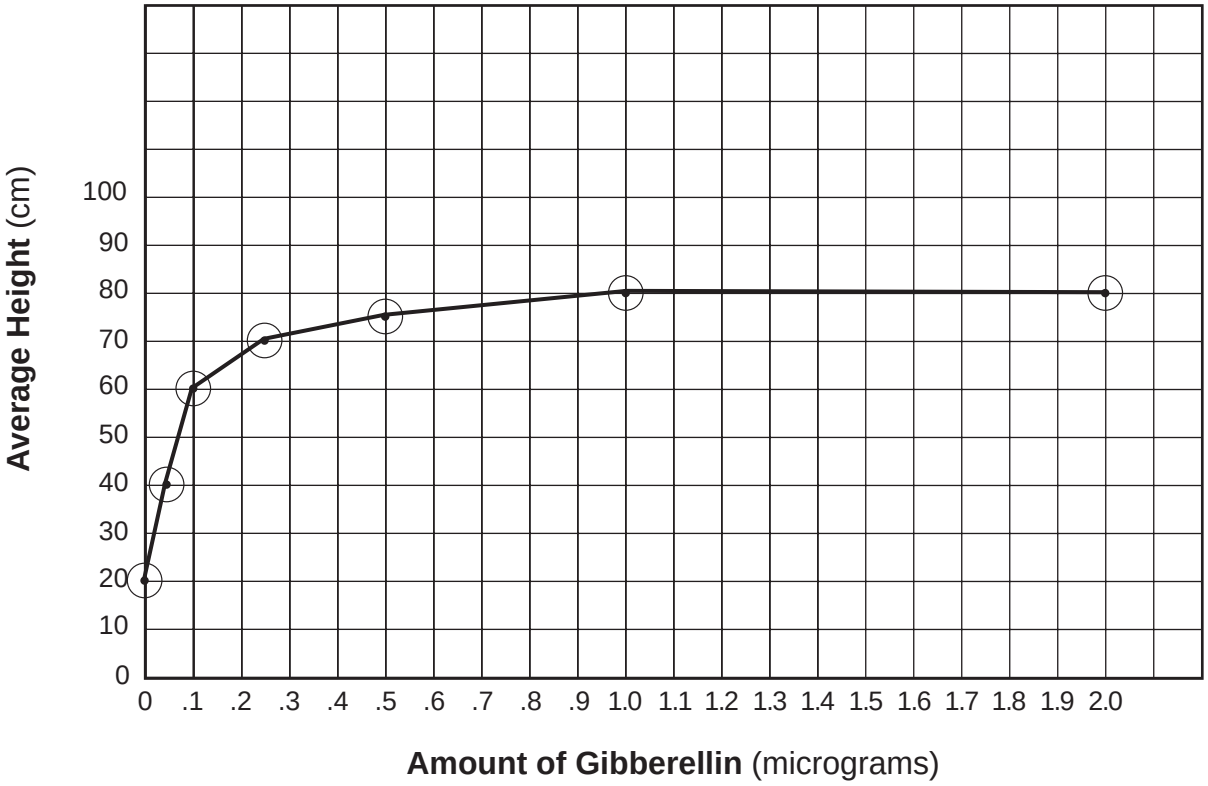
Directions to the Teacher:

Use only *red* ink or *red* pencil in rating Regents examination papers. Do *not* correct the student's work by making insertions or changes of any kind.

Scan each answer paper to make certain that the student has marked only one answer for each question. If a student has marked two or more answers with an X in ink, draw a red line through the row of numbers for that question to indicate that no credit is to be allowed for that question when the answer paper is scored.

To facilitate scoring, the scoring key has been printed in the same format as the answer paper. The scoring key for **Part I and Part II** may be made into a scoring stencil by punching out the correct answers. Be sure that the stencil is aligned with the answer paper so that the holes correspond to the correct answers. To aid in proper alignment, punch out the first and last item numbers in each part and place the stencil on the answer paper so that these item numbers appear through the appropriate holes.

115–116


Average Height (cm)
100
90
80
70
60
50
40
30
20
10
0
0 .1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0
Amount of Gibberellin (micrograms)

Group 3

120 1 **X** 3 4

121 **X** 2 3 4

The answers below represent sample responses. Other complete-sentence responses are acceptable. Allow no partial credit.

122 ECR DNA is composed of small fragments of DNA that have separated from normal chromosomes.

123 The body cells of an individual with Werner syndrome age rapidly.

124 1 2 **X** 4

Group 4

125 **X** 2 3 4

126 1 **X** 3 4

The answer below represents a sample response. Other complete-sentence responses are acceptable. Allow no partial credit.

127 The student should put on safety goggles before beginning the dissection.

128 battery acid

129 1 **X** 3 4

Group 5

130 **X** 2 3 4

131 **X** 2 3 4

132 1 2 **X** 4

133 1 2 **X** 4

The answer below represents a sample response. Other complete-sentence responses are acceptable. Allow no partial credit.

134 The students did not place a cover slip over the pond water on the slide.