

**THE NEW YORK EXAMINATION
QUESTIONS. BEING THE QUESTIONS
GIVEN AT ALL THE EXAMINATIONS FOR
STATE CERTIFICATES FROM THE
BEGINNING TO THE PRESENT TIME. A LIST
OF THE SUCCESSFUL CANDIDATES**

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The New York Examination Questions. Being the Questions Given at All the Examinations for State Certificates from the Beginning to the Present Time. A List of the Successful Candidates by Various

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19
Traverse

THE
NEW YORK
EXAMINATION QUESTIONS,

Being the Questions given at all the Examinations for
State Certificates from the beginning to
the present time, embracing

FIVE THOUSAND QUESTIONS

IN

Reading, Writing, Drawing, Arithmetic, Geography, Grammar, United States
History, General History, Algebra, Geometry, Book-Keeping, Compo-
sition, Rhetoric, Literature, Civil Government, Physiology,
Zoology, Botany, Geology, Mineralogy, Physics,
Methods, School Economy, School Law,
together with Latin as an op-
tional in place of
Geometry.

A LIST OF THE SUCCESSFUL CANDIDATES.



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1887.

STATE OF NEW YORK,
Department of Public Instruction.

First Examination for State Certificates,
Albany, December 16, 1875.

EXAMINERS:

PROF. JOHN E. BRADLEY, Prin. Albany High School.
PROF. MERRILL E. GATES, Prin. Albany Academy.
PROF. A. N. HUSTED, State Normal School.

Nine Candidates Entered—Four Successful:

HENRY BOSCH, Albany.
E. A. CORSIN, Greenbush.
S. LOUGHRIDGE, Newburgh.
MARY E. SHEPHERD, Auburn.

ARITHMETIC—ONE HOUR.

1. From 8043 subtract 5768, and explain the operation.
2. Show that dividing both terms of a fraction by the same number does not change its value.
3. Show that in multiplication of decimal fractions, the product must contain as many decimal figures as there are in both factors.
4. The first term of a proportion is 7; the third,

9; the fourth, 11; find the second term and explain the operation.

5. What is $\frac{1}{4}$ per cent. of 4.7?

6. An article was bought for $\$4\frac{1}{2}$ and sold for $\$4$; what was the loss per cent.?

7. A note at 30 days, for $\$400$, without interest, is discounted by a bank at the rate of 7 per cent. per annum. How much does the bank pay for it?

8. I sold $\$1000$ U. S. 5-20s at $118\frac{1}{2}$ per cent., paying brokerage $\frac{1}{4}$ per cent. How much did the broker pay me?

9. Extract the square root of .9.

GEOGRAPHY—ONE HOUR.

1-5. Bound each zone and give the width of each in degrees.

6. What circle separates the Eastern from the Western Hemisphere?

7. How long is a day at the North Pole?

8. When does it begin and when end?

9. Which is farther 10° north or 10° west from Albany?

10. Why?

11-15. Mention five lakes wholly within the State of New York.

16-17. Mention two tributaries of the Mississippi above its confluence with the Missouri.

18. What is the capital of the Dominion of Canada?

19. Mention the provinces included in it.

20. Which is the smallest state in the Union?

21. What bay on the east of Lake Huron?

22. What bay on the west of Lake Huron?

23. Where is the Welland Canal?

24. What cape at the southern extremity of California?

25. On what two rivers is Philadelphia?
- 26-27. What lake between Lake Huron and Lake Erie? What river connects it with Lake Erie?
- 28-32. Mention five seas, bays or gulfs on the southern coast of Europe.
33. What is the largest river of North America which flows into the Pacific Ocean?
34. What is the capital of Denmark?
35. Where does the Danube empty?
36. What is the capital of Japan?
37. Which is the largest of the Sandwich Islands?
38. What country of South America extends farthest south?
39. Mention a river in Africa south of the Equator?
- 40-42. State some of the conditions which determine the climate of a locality.
- 43-45. Give three proofs of the rotundity of the earth.
46. What is a watershed?
47. What is the cause of land and sea breezes?
48. What is dew?
49. Name a rainless region, and state the cause.
50. What is the entire population of the globe?

ENGLISH GRAMMAR—ONE HOUR.

1. Write the plural of (a) *fancy*, (b) *chimney*, (c) *dye*, (d) *alumna*, (e) *Mr.*, (f) *genus*, (g) *son-in-law*, (h) *spoonful*.
2. Give an example of (a) a derivative word and (b) a compound word.
3. Give, in tabular form, the parts of speech you would recognize, placing after each (a) the classes and (b) the modifications (if any) which you would name as belonging to it. Thus:

PARTS OF SPEECH.	CLASSES.	MODIFICATIONS.
Article.	{ Definite, Indefinite.	None.

4. Write the following nouns in the possessive case, governed by *books*: (a) *lady*, (b) *ladies*, (c) *authoress*, (d) *women*, (e) *Prince of Wales*.

5. Compare the following adjectives: (a) *near*, (b) *fore*, (c) *old*, (d) *happy*, (e) *gay*.

6. When would you use the forms *later*, *latest*, and when *latter*, *last*? When would you use *further*, and when *farther*?

7. Write the present infinitive, the imperfect past (or preterite) and the perfect participle of these verbs: (a) *sow*, (b) *drink*, (c) *lie*, (I lie down), (d) *lie*, (to falsify), (e) *lay*, (transitive), (f) *sing*, (g) *frolic*, (h) *dry*, (i) *cast*.

8. Write a correct English sentence in which the verb does not "agree with its subject in person and number."

9. Name the measure, and mark the feet of one line in the following:

"So spake the seraph Abdiel, faithful found

Among the faithless, faithful only he;

* * * * *

Nor numbers nor example with him wrought
To swerve from truth or change his constant mind,
Though single."

10. Parse *faithful*, line 2, and *single*, line 5. Principal parts of *wrought*.

11. (a) Much (b) that Herodotus tells us of this expedition is (c) more incredible than (d) that (e) longer and far different description of it (f) which Xenophon gives. (g) Which of the historians shall we believe? Or must we decide, in view of late discoveries, (h) that it is impossible to have faith any (i) longer in (j) what either of them has written about it?

Write each of the words to which a letter is prefixed. What part of speech is each, as here used, and to what class named in your table above would you refer it?

[*Syntax and Analysis will receive more especial attention in the oral examination.*]

SELECTIONS FOR ANALYSIS AND PARSING.

- (1) Fame is the spur that the clear spirit doth raise
- (2) (That last infirmity of noble mind)
- (3) To scorn delights, and live laborious days;
- (4) But the fair guerdon when we hope to find,
- (5) And think to burst out into sudden blaze,
- (6) Comes the blind Fury with the abhorred shears,
- (7) And slits the thin-spun life. "But not the
praise,"
- (8) Phœbus replied, and touch'd my trembling ears;
- (9) "Fame is no plant that grows on mortal soil,
- (10) Nor in the glittering foil
- (11) Set off to the world, nor in broad rumor lies,
- (12) But lives and spreads aloft by those pure eyes,
- (13) And perfect witness of all-judging Jove:
- (14) As he pronounces lastly on each deed,
- (15) Of so much fame in Heaven expect thy meed."

—*Lycidas.*

UNITED STATES HISTORY—ONE HOUR.

1. Give some facts and dates connected with the life and the discoveries of Christopher Columbus.
2. Sketch briefly the war which gave Canada to England.
3. What were the causes of the Revolutionary

war? Give a brief outline of this war, naming at least four of the important battles, with dates.

4. State the chief points of difference between the federation of the colonies and the present government of the United States.

5. In what wars has our government been engaged since the Revolution? Causes, results and dates.

6. Name at least five presidents of the United States, mentioning some event associated with the administration of each of the five.

7. What do you understand by the "Monroe Doctrine?"

8. When did the war of the Rebellion begin, and when did it end? Name the leading statesmen and generals engaged on either side. Mention at least six of the most important battles, with dates.

9. What important events are suggested to you by the following dates: 1492? 1497? 1763? 1789? April 9, 1865? April 14, 1865?

ALGEBRA.—ONE HOUR.

1. Define and illustrate by examples, the terms, Coefficient, Exponent, Polynomial.

2. Show that the product of two minus quantities is plus.

3. Divide $12a^2b^2x$ by $4a^2b^2x$ and explain the operation.

4. In the equation $4x + 4 = a - 3x$, transpose the terms $+ 4$ and $- 3x$, and show that the operation does not destroy the equality of the members.

5. Solve the equations, $2x + 2y = b$,
 $2x + ay = a$.

6. Define the terms, Radical Quantity and Similar Radicals.

7. Prove that the square root of the product of