

THE TEACHERS COLLEGE
OF COLORADO
BULLETIN

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GREELEY, COLORADO

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County Examination
1913, Mar. 20-21. Comp

Before taking this examination, every applicant is required to pay a fee of one dollar to the County Superintendent. See Sec. 174, S. L. A., 1912.

COUNTY EXAMINATION OF TEACHERS
FOR FIRST, SECOND AND THIRD GRADE CERTIFICATES
MARCH 20 AND 21, 1913

Prepared by
MARY C. C. BRADFORD,
Superintendent of Public Instruction, Denver, Colo.

NOTE—SPELLING TO BE MARKED FROM ALL PAPERS, PENMANSHIP MARKED FROM PAPER ON THEORY AND PRACTICE

FIRST DAY, A. M.

THEORY AND PRACTICE.

1. Give, in not to exceed ten lines, the meaning of the statement, "As is the teacher, so is the school."
2. What are the teacher's chief duties in respect to school grounds and outbuildings?
3. (a) How will the work of pupils be affected by their knowing that they are succeeding?
(b) What are the external conditions favorable to attention?
4. (a) What constitutes good discipline?
(b) Mention two faults common to teachers in methods of discipline and suggest means for correcting the faults.
5. (a) Discuss some topic or chapter in Scott's Social Education (Reading Circle Book) which appealed to you as being especially helpful to teachers.
(b) Give titles of four books which you have read that relate to your profession.

GRAMMAR.

1. Which is more valuable, the teaching of composition or of technical grammar? Give reasons for your answer.
2. How is the passive voice of the verb formed? What takes place when a sentence is changed from the active form to the passive? Illustrate with sentences.
3. Analyze: To tell the truth always is to do what none but the brave can do.
4. An adjective may be used in four constructions. It may be:
 1. A direct modifier.
 2. An attribute complement.
 3. An objective complement.
 4. An adverbial attribute.Illustrate in sentences.
5. Define the following: Analysis, synthesis, syntax, inflection, declension.
6. (a) Give some uses of parsing.
(b) What determines the part of speech to which a word belongs? Illustrate.
7. "Let us no more contend nor blame
Each other, blam'd enough elsewhere, but strive
In offices of love how we may lighten
Each other's burden in our share of woe."
Parse underscored words.
8. Name all the possible constructions of the noun.
9. (a) Distinguish between relative pronoun and personal pronoun.
(b) Between the adjective and the participle.
10. (a) What is a conditional sentence? Of what two parts composed?
(b) Write two sentences, one illustrating the use of the subjunctive mode in the condition, the other the use of the indicative in the condition.

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GEOGRAPHY.

1. (a) Bound Colorado. (b) Give its five principal industries. (c) Account for the location of its five largest cities. (d) Give the direction of its four largest rivers and their part in irrigation, if any.
2. Name in order, from the north, the states touched by the Mississippi River and account for the industries of five large cities along the course of the river.
3. Discuss the relative importance for grade pupils of physical, political, industrial, commercial and locational geography. Give your reasons.
4. Tell about the commerce of the Great Lakes and trace some of it through Atlantic ports, showing what changes have been made in the products on the way, if any.
5. What state, or group of states, excels in the production of corn, wheat, cotton, coal, gold, copper, cattle, lumber, tobacco, fruit.
6. Tell what you can of the Balkan-Turkish War, its causes, progress, names of all countries fighting, chief cities involved, and why the different countries of Europe are so much concerned.
7. Discuss some noteworthy effects of mountain ranges on climate; of ocean currents.
8. Account briefly for the surface, commerce and government of China.
9. Discuss the important features of the possessions of three nations in South Africa.
10. What and where are: llanos, estuaries, Guam, Negritos, tundras, Volga, pampas, Tchad, steppes, firth?

SCHOOL LAW.

1. When and by whom is the census taken?
2. Explain the law in regard to compulsory education.
3. Who are entitled to vote at a school election?
4. Name the national holidays.
5. Name five duties of the county superintendent.

CIVIL GOVERNMENT.

1. Explain the difference between the words "appointed" and "elected." Name five elective offices; five appointive offices.
2. Why are there two branches of the Legislature? Why should a bill be passed in both houses before it becomes a law?
3. State the qualifications, length of term of office, salary and three powers of the governor of the state.
4. Explain the process of impeaching and trying a civil officer of the United States. If convicted, what may the penalty be?
5. Explain plurality and majority vote.
6. What is the purpose of the president's message? How often and to whom given?
7. What is a congressional district? Explain the term "Congressman-at-Large."
8. Give reasons why taxes are levied. Name the various kinds of taxes and state ways in which they are used.
9. Define: veto, census, patent, blockade, jury.
10. To what department or bureau would you take the following matters: A claim for a pension? A request for appointment as postmaster? Information concerning hours of labor and conditions of working men? Information regarding the best method of curing a disease among cattle? Information concerning admission to the Naval Academy? A complaint in respect to freight rates?

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SECOND DAY, A. M.

ARITHMETIC.

1. At what price must an article that cost \$80 be marked, so that after deducting 25% from the marked price, a profit of 20% may be realized?
2. Two adjacent properties sold for \$1,320; 75% of the sale of one equaled 90% of the sale of the other. Find the selling price of each.
3. At a point $115^{\circ} 30' 45''$ E. Long., it is 5 hr. 20 min. A. M., Monday. What is the time at a point $100^{\circ} 29' 15''$ W. Long.?
4. I receive \$1,375 net profits on stock bought at 58 and sold at 72, brokerage $\frac{1}{8}\%$ in each case. Find the number of shares.
5. What principal at $4\frac{1}{2}\%$ will gain \$213.75 interest in 4 yrs. 9 mo.?
6. A merchant bought goods at 20%, 15% and 10% off the list price, thereby receiving a discount of \$1,164. Find the list price.
7. The contents of a cone are 471.24 cu. ft.; the altitude is 18 ft. Find the diameter.
8. If 10 men mow 30 A. of grass in 3 days of 9 hrs., how many hours a day must 12 men work to mow an 80 A. field in 6 days?
9. James' money equals $\frac{3}{5}$ of Charles' money; and $\frac{3}{4}$ of James' money, plus \$33, equals Charles' money. How much has each?
10. Divide the L. C. M. of $\frac{1}{3}$, $\frac{1}{4}$ and $\frac{1}{5}$ by their G. C. D.

PHYSIOLOGY.

1. What important change in the composition of the bones between childhood and old age? Give a well-known proof of this change.
2. What function have the lungs and the skin in common, and how does each perform this function?
3. Trace the circulation of the blood from the right auricle back again to the right auricle.
4. Describe the spinal column and the spinal cord.
5. What is the function of the red corpuscles of the blood? Of the white corpuscles?
6. What has caused the recent crusade against the common house-fly? What results?
7. Explain why the so-called "Canal Zone" in Panama has recently changed from one of the most unhealthful to one of the most healthful regions in the world.
8. Name four unsanitary conditions frequently found about rural schools.
9. How may defective eye sight usually be remedied and what serious ill effects are likely to follow if the remedy is not applied?
10. What are some of the well-known effects of cigarette smoking upon boys?

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NATURAL SCIENCE.

(Answer any ten, numbering according to question.)

1. Locate the regions of the earth where volcanoes are most numerous.
2. Explain why the southwestern coast of Alaska is very moist, and the northwestern coast of Chile very dry.
3. Discuss the origin, size, locality, characteristics and general influences of the Gulf Stream.
4. Name five rivers that have notable deltas.
5. Describe trade winds.
6. Name five physical characteristics or conditions that have contributed to the growth and prosperity of Denver.
7. What is each of the following: an element, an oxide, an alloy, an ore, an acid?
8. Give the life history of the butterfly.
9. Name the characteristic trees of the Rocky Mountain region.
10. Explain the action of the siphon.
11. Assuming that a plant is composed only of root, stem, and leaf, of which part or parts of these are the following: the apple-blossom, the onion, the bean-pod, the potato, the thorn?
12. State some of the prominent characteristics of rodents, and name five species belonging to the order.

READING. (Answer any five.)

1. What, in your opinion, constitutes good reading?
2. How would you stimulate pupils to a wider desire for and knowledge of good literature?
3. Name some helps toward securing a library for a rural school, or augmenting the one already there.
4. To what extent may a teacher aid her community in good selection and wider reading?
5. How would you teach a class of beginners to read?
6. Name two books suitable for home or supplementary reading for each of the following grades: fourth, fifth, sixth, seventh and eighth.

U. S. HISTORY. (Use any ten of these questions.)

1. What people are supposed to have discovered America before Columbus? Name two of the most famous of their supposed relics and give the present belief concerning them.
2. Give five causes that led to the discovery of America. Name the leading maritime nations in Europe during the sixteenth century.
3. Give the aim of each European nation in exploring and settling this country.
4. Name the inter-colonial wars and tell what lessons they taught the colonies.
5. Name five pieces of American literature that are based on this colonial period.
6. Name the three forms of government existing at the time of the Revolution. Name a colony under each form.
7. What was the direct cause of the Revolutionary War? Name five of the remote causes.
8. For what are the following men noted: Bancroft, Wendell Phillips, Ferdinand de Lesséps, John Marshall, Debs, Dr. Wiley, LaFollette, Francis Scott Key, Jefferson, Marconi?
9. Define: imperialism, tariff, arbitration, reciprocity, initiative, referendum, recall, progressive, trusts, immigration.
10. What two events were the turning point during the Civil War? What important questions were settled by this war?
11. Describe the Colorado state flag and tell what the colors symbolize. When was it adopted?
12. In what three ways has territory been acquired by the United States? Give example of each.