

## EXAMINATION PAPERS.

*School Management and Art of Teaching.—For Classes D and E. Time allowed : 3 hours.*

[Candidates should answer one question in each section, but not more than one.]

## SECTION I.

Complete the accompanying section of a daily-attendance register, carrying out the totals, and calculating the averages as at the end of a quarter.

[For Register see next page.]

## SECTION II.

Draw up a time-table for one of the following :—

- (1.) The upper department of a country school, the department consisting of 35 pupils, in Class X., S6, S5, S4, S3, and the teacher in charge of it being sometimes assisted, in the more mechanical work, by a monitor from Class X.
- (2.) A class-room, with 50 boys and girls in S2 and S3, under one teacher, unassisted.
- (3.) An infant school, S1, P1, P2, P3, under mistress and a P.T. 2nd year.

## SECTION III.

Write teaching notes for one of the following lessons, stating class, and time allowed for lesson, and giving special prominence to method, and to use made of blackboard.

- (1.) On the function and classification of the several kinds of subordinate clauses in a complex sentence.
- (2.) On the influence of locality on English manufactures.
- (3.) On stocks (first lesson).
- (4.) An object-lesson on colour.
- (5.) On the Maoris.

## SECTION IV.

1. Describe a reading-lesson, with a class of 50 boys and girls in S4, and state the time it would occupy.
2. What position of body, hand, and pen do you consider best for pupils in a writing-lesson? Give your reasons.
3. Draw up an outline syllabus of a suitable course of lessons on the growth of the British Empire during the last hundred years.

## SECTION V.

1. What is the particular value, *as an educational instrument*, of each of the following subjects: Parsing, English history, arithmetic, writing, music?
2. Show the importance to the pupil of the neat and logical setting-out of solutions of problems in arithmetic.
3. What points of superiority are claimed for the kindergarten over other systems of infant training.

## SECTION VI.

1. Show how undue severity of discipline operates in antagonism to the true purpose of the school.
2. "Habitual self-control is an essential element in the character of a strong teacher." Point out the truth of this statement.
3. If copying is rife in a class, wherein may both teacher and pupils be to blame for it? And how may the evil be checked?

*Elementary Experimental Science.—For Class D. Time allowed : 3 hours.*

1. The following sentences are taken from the authorised list of experiments for Class D :—
  - (a.) "Illustrate energy of motion and position by pendulum."
  - (b.) "Take specific gravity of body lighter than water."
  - (c.) "Charge gold-leaf electroscope by induction."
  - (d.) "Show production of solar spectrum."

Describe accurately how you would, in each case, carry out the instruction given.

2. How would you try to make clear to a class the meaning attached to the word "force"?
3. How is a sound-wave propagated? What experiments can you quote in support of your answer?
4. Give the outlines of what you consider a sufficient lesson on "burning."
5. How would you prepare a small quantity of hydrochloric acid? What experiments would you make in trying to illustrate its chief properties?
6. Explain the construction of a Bunsen's *bichromate* battery. Why is potassium bichromate added to the exciting liquid?