

SECTION II.

1. Write full teaching notes of a lesson on one of the following subjects, saying for what class your lesson is prepared :—

- (a.) The Post Office and its work.
- (b.) Form or colour (kindergarten lesson).
- (c.) General management of a sick-room (for elder girls).
- (d.) Federation.
- (e.) A New Zealand mountain range.
- (f.) Thermometers.

SECTION III.

1. State the items of information which are furnished by the Admission Register concerning each pupil. What other official registers are in use in the public schools?

SECTION IV.

1. Under what circumstances do the regulations of the Department permit a teacher to resort to expulsion or suspension? What course of action may the guardian of the punished child take in its interests?

2. What considerations should guide you in the choice of (a) a set of readers, (b) a set of copy-books?

3. "Moral training implies sympathy between parent (or teacher) and child." Inquire into the meaning of this statement, and compare the general moral effect of a severe discipline with that of one which appeals to personal affection and sympathy.

SECTION V.

1. Enumerate the different kinds of punishment that you think may rightly be used, and explain the principle of selection in each case.

2. State some of the causes of truancy, and explain the manner in which you would treat the offence.

3. State some rules, both positive and negative, that would guide a teacher in framing good questions for teaching purposes.

SECTION VI.

1. A school building has to be planned for 200 boys and girls between the ages of five and fifteen. Describe such a building, with a particular description of a girls' class-room properly warmed, lighted, and ventilated, and furnished for 40 children. Give a plan of the room.

2. You wish to produce in the future a good style of English composition in your upper classes. Sketch a scheme of procedure in instruction for the whole school. The instruction is supposed to extend over the whole period of an individual pupil's school career.

3. Explain fully how you would proceed to teach simple interest to a class in Standard V. If the children show a want of accuracy in the elementary processes of arithmetic, how would you correct this common fault?

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

1. Point out the fundamental difference in meaning between the terms (a) mass and weight, (b) force and work, (c) momentum and energy.

2. How would you make a simple barometer for school use? What defects would such an instrument probably have? How would these defects be avoided in a properly constructed barometer?

3. Make a neat diagram showing how the discharge pipe from a well arranged water-closet pan is trapped and ventilated. What special precaution should be taken in placing the waste-pipe from a bath? Give reasons for the arrangements you describe.

4. Upon what does the pitch of a musical note depend? Explain clearly how you would test the truth of your statement.

5. What is the focal length of a lens? Describe two methods whereby the focal length of a double convex lens may be determined.

6. How could you show—(a) That water gives off steam at all ordinary temperatures, (b) that the pressure of saturated steam rises with the temperature until at the boiling point of water it is equal to the atmospheric pressure?

7. Make a sketch of an ordinary candle flame, and state what changes you believe to take place in the various parts of it.

8. Describe and explain the action of either a magneto-electrical machine or a simple telephone.

Elementary Science.—For Class E. Time allowed: 3 hours.

1. Explain the physical changes that take place when a piece of ice is gradually heated to a temperature of 100° C.

2. Describe experiments to illustrate the pressure of air.

3. Give examples showing the different kinds of levers, and explain the action of a lever of each kind.

4. A gun is fired in front of a cliff, and an echo is heard five seconds afterwards: ascertain the distance of the cliff, assuming that the temperature of the air is 10° C.